

*To Make America More Beautiful and Fruitful*

# AMERICAN NURSERYMAN

## AMERICAN NURSERY TRADE BULLETIN

Chief Exponent of the American Nursery Trade

VOL LI No. 8

APRIL 15, 1930

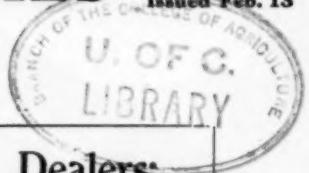
Per Copy 20c

### PAINESVILLE NURSERIES

BULLETIN NO. 1  
86 Pages  
Issued Feb. 13



Signs of Spring



NOTICE! Nurserymen, Florists, Dealers:  
You can get your Spring supply from our 1500 acres

#### TREES

DECIDUOUS  
EVERGREEN  
FRUIT

SHRUBS  
VINES  
ROSES

#### PLANTS

HARDY PERENNIAL  
BEDDING (from Pots)  
HOUSE DECORATIVE

#### SEEDS

VEGETABLE  
FLOWER  
FARM and GRASS

BULBS:  
GLADIOLI  
DAHLIAS  
CANNAS, Etc.



#### THE STORRS & HARRISON COMPANY

PAINESVILLE,

"Painesville Nurseries"

Lake County OHIO

39 STATE ST.



ROCHESTER, N. Y.

American Fruits Publishing Co.

*"New York  
State Grown"*



**NURSERY STOCK**  
**FRUITS**  
**ORNAMENTALS**  
**ROSES**  
**EVERGREENS**

*Send for  
Price List*

**W. & T. Smith Co.**  
*Geneva, N.Y.*  
*Organized in 1846*  
*1000 Acres*  
*in 1928*

## SPRING - 1930

- 500 Early Richmond, 2 yr., XX, Heavy
- 1000 Early Richmond, 2 yr., 11/16 inch
- 1500 Montmorency, 2 yr., 11/16 inch
- 800 Montmorency, 1 yr., 11/16 inch
- 1200 Montmorency, 1 yr., 7/16 inch
- 6000 Montmorency, 1 yr., 5/16 inch
- 5000 Montmorency, 1 yr., under 5/16 inch
- 4000 Honeysuckle, Morrowi and Bella Albida, 3 to 4 and 4 to 5 ft.
- 25000 Amoor River Privet, 2 yr., 12/18, 18/24 in., 2/3 and 3/4 ft.
- 2000 Ibota Privet, 12/18, 18/24 in. and 2/3 ft.
- 8000 Spirea, Vanhoutte, 2/3, 3/4 and 4/5 ft.
- 1800 Snowberry, 18/24 in., 2/3 and 3/4 ft.
- 2200 Indian Currant, 12/18, 18/24 in. and 2/3 ft.
- 150 Catalpa, Speciosa, 8 to 10 ft.
- 400 Catalpa, Speciosa, 1 1/4 inch
- 430 Catalpa, Speciosa, 1 1/2 inch
- 160 Catalpa, Speciosa, 1 3/4 inch
- 1900 Elm, Budded, 1 1/4 inch
- 1500 Elm, Budded, 1 1/2 inch
- The above Elm were transplanted 4 years ago.
- 1500 Elm, 6 to 8 ft.
- 2000 Elm, 8 to 10 ft.
- 2500 Elm, 1 1/4 inch
- 2000 Elm, 1 1/2 inch
- 600 Elm, 2 inch
- 800 Norway Maple, 6 to 8 ft.
- 1200 Norway Maple, 8 to 10 ft.
- 1000 Norway Maple, 1 1/4 inch
- 300 Norway Maple, 1 1/2 inch
- 1000 Soft Maple, 8 to 10 ft.
- 2000 Soft Maple, 1 1/2 inch
- 2000 Soft Maple, 1 1/4 inch
- 700 Soft Maple, 2 inch

**C. M. HOBBS & SONS**  
**BRIDGEPORT, INDIANA**  
Established 1875  
LARGEST NURSERY IN INDIANA

### Best Tree Digger on Earth



Write for Descriptive Circular and Prices

**Stark Brothers**  
NURSERIES AND ORCHARDS COMPANY  
Louisiana, Missouri

### Here's Hemlock

**WE** had good fortune with our beds of Hemlock seed three years ago. A fine stand. Now they're 4 to 8 inches high and have been once transplanted (last spring). Grown in nursery seed beds from American seed and transplanted one year in transplant beds.

**NURSERY GROWN**  
**TSUGA CANADENSIS**  
**\$60.00 per Thousand**  
**4 to 8 inch transplants**

**A**ND there are many other good buys in our green list of lining out stock just mailed to the trade. If your copy didn't come, a card will bring it.

**KELSEY NURSERY SERVICE**  
Fifty Church Street, New York City

# Onarga Nursery Co Wholesale Growers

*of EVERGREENS*

Ornamental Shrubs, Rock Garden and Perennial Plants

	Per 100	Per 1000
Curranis, red, 2 yr. 1	\$ 5.00	\$ 35.00
Althes, bush, 3-4'	20.00	150.00
Cornus Lutes, 3-4'	20.00	150.00
Cydonia Japonica, 3-4'	30.00	
Deutzia Gracilis, dwarf, 15-18"	15.00	100.00
Deutzia Lemoine, dwarf, 24-30"	15.00	100.00
Honeysuckle Bush, Asstd., 3-4'	20.00	120.00
Lilac, Persian, 3-4'	30.00	175.00
Philadelphus Avalanche, 20-36"	22.50	150.00
Privet, Amour River North, 18-24"		45.00
(\$35.00 M in 5000 lots or more)		
Spiraea Arguta, 21-3'	20.00	100.00
Spiraea Froebelli, 18-24"	12.00	100.00
Spiraea Thunbergi, 2-21/2'	20.00	100.00
Symphoricarpon Racemosus, 2-3'	12.00	100.00
Tamarix, Assorted, 3-4'	18.00	100.00
Weigela Rosa, 3-4'	20.00	120.00
Clematis paniculata, 3 yr.	20.00	100.00

Thousands of other trees, shrubs and rock garden perennials at reasonable prices. If you are not on our mailing list, write us, and send us your want list, as we can often quote better prices on stock we have in heavy surplus.

ONARGA NURSERY CO ONARGA ILL

E. P. BERNARDIN  
Parsons  
Wholesale Nurseries  
PARSONS, KANSAS  
Established 1870

Specialties

Amour River North Privet, 2 yr., 2-3 and 3-4 ft., well branched.  
Bungei Catalpa, 4½-8 ft. stems.  
Lombardy Poplar, 5-6 to 10-12 ft.  
Thurlow Willow, 5-6 to 10-12 ft.  
Lonicera Bella Albida, 2-3 to 5-6 ft.  
Deutzia Pride, 2-3 to 5-6 ft.  
Forsythia Asst., 2-3 to 4-5 ft.  
Tamarix Asst., 2-3 to 5-6 ft.  
Purple Wisteria, 2 & 3 yrs.

EVERGREENS—Biotas and Junipers, in good supply.  
Early Harvest B. B. root grown plants.  
Long list of Ornamentals in generous supply.

"We Ship 'Em Quick"

HARDY SHRUBS, ROSES, PRIVETS, FRUIT TREES, GRAPE VINES and SHADE TREES. CUT LEAF WEEPING BIRCH, A SPECIALTY  
CHAMPION NURSERIES  
PERRY, OHIO

LESS THAN FIVE CENTS A WEEK—Issued 1st and 15th of each month. The National Journal of Commercial Horticulture. National and international circulation. Reaching every State in the Union. Journal appreciated by upward of 2500 Nursery readers. Subscription: \$2.50 per year; three years for \$6.00. A one-inch advertisement for \$1.40; under yearly term, \$1.25.

**CONSIDER QUALITY**  
2 year CHINESE ELM (*Ulmus Pumila*) Seedlings  
NORTHERN TYPE  
SPARINGLY IRRIGATED  
WELL MATURED

Far superior to 1 year forced, soft stock commonly offered. Sizes ranging from 12 inches to 5 feet. At the one year price as long as they last.

Tolleson Nurseries, Denver, Colo.

**LINING OUT STOCK**

We carry a nice line of Lining Out Stock and have a surplus in many varieties of Shrubs and Trees, such as

American Sycamore

Silver Maple

Amour River North Privet

Deutzias and Weigelas

Our Wholesale Spring Trade List will be out December 1st.

The Park Nursery Co.  
PLEVNA, ALABAMA

**Wireless Paper Labels**

PLAIN OR PRINTED

Samples Free

OHIO NURSERY COMPANY  
Elyria, Ohio

**PECAN TREES**

CAR LOTS our specialty, but we accept orders from nurserymen for any number of trees.

Simpson Nursery Co.

Monticello, Fla. Established 1902

**BRISTOL'S TREES**

Northern-grown, Hardy Evergreens  
Forest and Ornamental Stock,  
especially Red Pine

H. R. BRISTOL, Plattsburg, N. Y.

**American Bulb Company**

Importers and Growers of  
Dutch Bulbs, Cannas, Tuberoses, Gladioli,  
Hardy Lillies, Manetti, Lily of Valley,  
Sphagnum Moss.

Send for Free Catalogue.

31-37 W. 27th St. 182 N. Wabash Ave.,  
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**Perennial and Alpine Plants**

A list for Landscape Architects,  
Nurserymen and Gardeners.

WESTCROFT GARDENS  
GROSSE ILE, MICHIGAN

**American Nurseryman Directory of American Plant Propagators**

**Broad Leaf Evergreens**  
**RARE AND CHOICE CONIFERAES**  
**AZALEAS (Evergreen and Deciduous)**  
**FLOWERING SHRUBS,**  
**VINES and CLIMBERS**

We produce the greatest variety of Herbaceous Plants and Field Grown ROSES in America. Ask for our wholesale lists.

**BOBBINK & ATKINS**  
Rutherford, New Jersey

**Hill's Evergreens**

COMPLETE assortment of lining out sizes. Also larger grades for Landscaping. Send for our wholesale catalog. Also descriptive booklet in colors.

D. HILL NURSERY CO.  
*Evergreen Specialists*  
*Largest Growers in America*  
Box 402 Dundee, Illinois

**Choice Broad-leaved and Coniferous EVERGREENS**  
**in Lining out and Specimen Sizes**

Write for wholesale catalogue and list of rooted cuttings.

**T. KIYONO**  
CRICHTON, ALABAMA

**LARGEST ASSORTMENT**  
and largest stock of lining out stock in the United States.  
Write for prices or call and see our growing stock.

**Onarga Nursery Co.**  
CULTRA BROS., Mgrs.  
Onarga, Illinois

**ROSES**

Shrubs Cannas Lining-out Evergreens

*Send for Trade-List*

The CONARD-PYLE Co.  
ROBERT PYLE, Pres. West Grove, Pa.  
Established Nurserymen since 1859

**NAPERVILLE NURSERIES**  
Headquarters for  
**LINING OUT STOCK**

Large Assortment

WELL GROWN—NONE BETTER  
See Our Lists Before Buying

NAPERVILLE DuPage County ILLINOIS

**Scotch Grove Nursery**  
Growers of  
**EVERGREENS**  
For  
**Lining Out**  
GOOD ASSORTMENT  
STANDARD SORTS  
Price List on Request—Established 1871  
SCOTCH GROVE, IOWA

**EVERGREEN TREES**

For Ornamental or Forest Planting

Trees of known quality: raised from SEED at our Nurseries under personal supervision, based on 20 years' experience. All varieties. Sizes range from seedlings thru 3, 4 or 5 year transplants, up to 20 feet tall. Prices astonishingly reasonable. Write for Catalog and know about our guarantee.

FRANKLIN FORESTRY Co.  
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NURSERIES AT COLRAIN -  
SUDSBURY - PLYMOUTH

**NEW PRICE LIST**

of  
HEMLOCK  
ARBOR VITAE  
NORWAY SPRUCE  
SCOTCH PINE  
BALSAM  
CANOE BIRCH  
SUGAR MAPLE

and other Evergreens, Shade Trees, Shrubs, Ferns, and Perennials.

**GEORGE D. AIKEN**  
PUTNEY, VERMONT

**LINING OUT STOCK**  
**EVERGREENS**  
**TREES**  
**SHRUBS**  
Send for our price list of  
HARDY NATIVE TREES, SHRUBS,  
and PLANTS

**L. E. WILLIAMS NURSERY CO.**  
Exeter, N. H.

**Stock for Lining Out**

Variety	Grade	100	1000
COLORADO SPRUCE			
(from Blue Spruce Seed)	2-4 inch T.....	\$ 8.00	\$ 60.00
	4-8 inch S.....	3.50	25.00
RED PINE	12 to 18 inch TT..	40.00	300.00
	8 to 12 inch TT..	30.00	200.00
SCOTCH PINE	12 to 18 inch T... 8 to 12 inch S...	10.00 2.00	75.00 10.00

Write for complete list.

**Little Tree Farms**  
AMERICAN FORESTRY COMPANY  
FRAMINGHAM CENTRE, MASSACHUSETTS

**EVERGREENS**  
**MILLIONS OF THEM**  
Seedlings—Transplants—Cuttings  
Grown Under Glass  
Also Apple Trees, Shade Trees,  
Hedgeplants, Shrubs, Vines, Peony  
Send for our latest Bulletin

**Sherman Nursery Co.**  
The Largest Growers of Evergreens  
in the world  
Charles City, Iowa

**CARR'S EVERGREENS**  
for  
Bedding and Lining Out

M. L. CARR'S SONS  
Yellow Springs Ohio

**WE HAVE THEM**  
**You May Want Some**  
Norway, Sycamore and Silver  
Maples; Pin, Red, Mossy Cup,  
Catesbaei and Willow Oaks.  
Butterfly Bush, Dogwoods, Deutzias,  
Forsythia, Spireas, etc.

Our Trade List is ready.  
Get next to one.

**Atlantic Nursery Co.**  
BERLIN, MARYLAND

**KEEP POSTED**  
**On Nursery Trade Affairs**

By reading regularly a trade journal which covers the trade news. Progressive Nurserymen who do this possess an undoubted advantage in business plans and in their transactions.

**FERNDALE NURSERY**  
Northern Grown Hardy Plants  
**SEVEN MILLION EVERGREEN**  
Seedlings and Transplants.  
HARDY OUTDOOR FERNS  
ROCK GARDEN PLANTS  
WILD FLOWERS & PERENNIALS  
We mail Trade List and will quote interesting prices on want lists.  
We have the Quality and Quantity.  
**LUDVIG MOSBAEK**, Askov, Minn.

**IF YOU GROW**  
**Lining-Out Stock**

You should be represented in this department regularly.  
Write for advertising rate

**AMERICAN NURSERYMAN**  
Chief Exponent of the Trade

# AMERICAN NURSERYMAN --- April 15, 1930

**EDITORIAL DEPARTMENT**—Communications on any subject connected with Commercial Horticulture, Nurseries or Arboriculture are cordially invited by the Editor; also articles on these subjects and papers prepared for conventions of Nursery or Horticultural associations. We also shall be pleased to reproduce engravings relating to these topics, Orchard Scenes, Cold Storage Houses, Office Buildings, Fields of Stock, Specimen Trees and Plants, Portraits of Individuals, etc. Engravings will be made from photographs at cost.

**Advertising**—Last forms close (semi-monthly) on the 10th and 25th of each month. If proofs are wanted, copy should be on hand one week earlier.

"AMERICAN NURSERYMAN" is distinctive in that it reaches an exceptional list and covers the field of the business man engaged in Commercial Horticulture—the enclot operator. Here is concentrated class circulation of high character—the Trade Journal of Commercial Horticulture, quality rather than quantity.

"AMERICAN NURSERYMAN" will not accept advertisements that do not represent reliable concerns.

**SUBSCRIPTIONS**—"AMERICAN NURSERYMAN," published semi-monthly, on 1st and 15th, will be sent to any address in the United States for \$2.50 a year; to Canada or abroad for \$3.00 a year. Single copies of current volume, 20c; of previous volumes, 25c.

RALPH T. OLcott  
Editor, Manager.

**WHAT THIS MAGAZINE STANDS FOR**—Clean chronicling of commercial news of the Planting Field and Nursery. An honest, fearless policy in harmony with the growing ethics of modern business methods.

Co-operation rather than competition and the encouragement of all that makes for the welfare of the trade and of each of its units.

Wholesome, clean-cut, ring true independence.

**INDEPENDENT AND FEARLESS**—"AMERICAN NURSERYMAN" makes no distinction in favor of any. It is untrammeled in its absolutely independent position and rates the welfare of the Nursery Trade above every other consideration.

This Magazine has no connection whatever with a particular enterprise. Absolutely unbiased and independent in all its dealings.

Though it happens that its place of publication is in the eastern section of the country, it is thoroughly National in its character and International in its circulation.

Its news and advertising columns bristle with announcements from every news corner of the Continent.

It represents the results of American industry in one of the greatest callings—Commercial Horticulture in all its phases of Nursery Stock, Orchard and Landscape Planting and Distribution.

AMERICAN FRUITS PUBLISHING COMPANY, INC.

30 State Street,  
Rochester, N. Y.

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# Customers— please check carefully

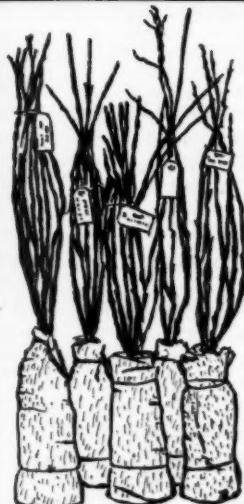
BULLETINS  
MOVING FREQUENTLY  
THROUGHOUT  
THE SHIPPING SEASON

## SOME GOOD OFFERS

### C.R. Burr & Company INCORPORATED

General Nurserymen MANCHESTER, CONN.

We do not sell at wholesale to retail buyers.



WRAP THEM  
WITH  
**SAXOLIN**  
WATERPROOF  
**DUPLEX**  
**CRINKLED**

Give your shipment that touch of extreme care and cleanliness that mean so much in the eyes of the customer.

### Wrap Your Bundles In SAXOLIN

SAXOLIN is clean, tough and easy to handle. It's waterproof, it holds the dirt and moisture around the roots.

SAXOLIN is two sheets of kraft paper cemented with asphalt filler and crinkled to stretch and conform to shape of bundle.

### COSTS LESS THAN BURLAP AND DOES A BETTER JOB

In Sheets Any Size, 6" x 8" \$1.20 Per 1,000 Sheets  
12" x 18" ----- \$5.25 20" x 24" ----- \$11.90 etc.  
Ask for the Sizes You Use  
In Rolls 200 Yards 12" to 60" Wide

**CHASE BAG Co.**

Specialty Dept. :: Cleveland, Ohio

### The Preferred Stock



### "The Outdoor Living Room"

Not that Perk and I have turned cabinet-makers; but we've put as much care into growing the "Preferred Stock" as ye olde craftsmen ever put into the finest furniture.

Here are "furnishings" you'll want to know more about:—"It's Not a Home Until It's Planted."

CLIMBING ROSES  
ORNAMENTAL SHRUBS  
SHADE TREES

EVERGREENS  
HARDY VINES  
PERENNIALS

Fully described and listed in our latest bulletin No. 9. Have you a copy?

Yours for more planting this spring,  
—JACK

Our compliments to the National Publicity Campaign

**Jackson & Perkins Company**  
Wholesale Only  
Newark, New York.

## EVERGREENS

Sherman's evergreens are grown by men who know how to grow evergreens. It is our desire to grow trees that you will be proud of when you see them growing on your customer's lawns. We use the greatest care in digging and packing, that these trees so carefully grown will reach you without losing any of their first class quality.

We can supply practically all varieties of evergreens or general nursery stock but we wish to call your attention especially to the following:

### LINING OUT STOCK

Balsam Fir  
Arbor Vitae  
Pyramidal Arbor Vitae  
Juniper Sabina  
European Larch  
All The Pines  
All The Spruces  
Red Cedar

### SPECIMEN STOCK

American Arbor Vitae  
Douglas Golden Arbor Vitae  
Globosa Arbor Vitae  
Compacta Arbor Vitae  
Austrian Pine  
Balsam Fir  
Douglas Spruce  
Norway Spruce

**The SHERMAN NURSERY Co.**  
Charles City, Iowa

# AMERICAN NURSERYMAN

[Reg. U. S. Pat. Off.]

**The Chief Exponent of the American Nursery Trade  
National Journal of Commercial Horticulture**

*Entered September 6, 1916, at Rochester, N. Y. Post Office as second-class mail matter*

**WITHOUT OR WITH OFFENSE TO FRIENDS OR FOES, I SKETCH YOUR WORLD EXACTLY AS IT GOES.—AVROS**

VOL. LI

ROCHESTER, N. Y. APRIL 18, 1930

No. 8

## Canadian Horticultural Council Standards

**Are On High Plane—Representing 216 Horticultural Organizations With Membership of 85,000—Right and Wrong Shades Have Been Made Clear**

### FRIENDLY COOPERATION REPLACES CUT-THROAT COMPETITION

**I**N HIS eighth annual report, Secretary-Treasurer L. F. Burrows, of the Canadian Horticultural Council, representing 216 horticultural and allied industry organizations having a membership in excess of 85,000, touches, in his introduction to the wide range of activities in which the council is engaged, subjects which parallel those uppermost in the minds of the horticultural industries on this side of the border:

"We have seen a change during the past eight years from distrust and suspicion of each other; from the cold blooded law of 'let everyone beware' to a realization that, in business cooperation is the best policy. A philosopher has said, and with a great deal of truth, that the only permanent thing in the world is change. We are in a state of constant change. Today we accept facts, that, yesterday, were merely theories or bare possibilities. The system of producing, grading, packing, and marketing which was enthusiastically heralded yesterday is discarded today, but not without progress having been made and benefit received.

"One of the major objects of the Council is, 'To bring about a closer cooperation between those engaged in the Horticultural and Allied Industries and a fuller understanding of their problems.' It is probably due to our attempt in the accomplishment of this objective that we have received more than anticipated criticism both from within and without the industries. There are still those who have good cause to remember the unfair treatment which they received or heard about in the dealings of one section with another—the dealer who unjustly refused to accept shipments, who took advantage of his distance from the producer and returned deficit statements from the sale of good produce; the Nurseryman who substituted Ben Davis trees for Spies; the shipper who, not without trouble, put stove pipes in his apple barrels or who neglected to avoid an indication on the top layer of the culls, sticks and stones below. These unfair practices are, if not entirely, almost entirely of the past and the change is not due solely to legislation. The Council has brought about in each section a better understanding of the difficulties of the other and engendered more of the 'live and let live' spirit so that the old expression, 'Where business begins friendship ceases,' is facing unrelenting opposition. The legal profes-

sion has its shysters, always has had and always will; the medical profession its quacks; the ministry its scape-goats; the fruit business its dishonest growers and dealers; but it is doubtful if the percentage in any class is greater than in another.

"Nevertheless we are all making progress. The shades between right and wrong have been made clear. Our various contacts through rapid communication, rapid transportation, reading, motion pictures, radio and through the round table conferences of the Associations and business gatherings have resulted in a feeling that the other man is more honest than we possibly wished to believe. Cut-throat competition has been largely replaced by friendly cooperation."

The extent of the council's activities is indicated by summaries of its participation in 25 important subjects. These summaries and a running account of general and special features occupy five long typewritten pages. The Nurserymen of Canada have direct representation in the council. In conclusion Secretary Burrows says:

"While the activities of the Council have been of tremendous value in bringing about a more satisfactory condition in the industries which it serves it should not be merely taken for granted that the Council of itself can successfully function without the whole-hearted support, not only of its member organizations but of the individuals connected therewith. The council will continue to be of value to the extent as it receives such support."

**As to Pollination**—Fruit growers are becoming more and more impressed with the importance of proper pollen in the setting of fruit. It has taken a good many years and much patient study to show the pollination of fruit trees cannot be left entirely to chance—that is, if the fruit grower would realize the greatest returns from his plantings. Fruit specialists at the State Experiment Station, Geneva, N. Y., have been accumulating information on the value of different varieties of fruit as pollinizers and have now prepared a report showing the results with apples, pears, cherries, plums, and peaches and nectarines. A copy of the report may be had on request.

**New Trends of Gardening**—At Ohio State University, Columbus, Apr. 15-17 a garden school was conducted by members of the faculty. Among the speakers scheduled was A. C. Hottes, of Better Homes and Gardens.

#### Entomologist's Cooperation

Editor *American Nurseryman*:

Because of the heavy losses suffered by evergreens in Wisconsin during the past few years from red spider attack, it was believed necessary to make some effort to check them.

As an educational feature we decided to furnish our Nurserymen with a supply of tags similar to the enclosed sample to attach to every lot of evergreens sold. To introduce the idea we are furnishing these tags to the Nurserymen gratis this year and if they meet with their approval, we shall probably arrange to have them supplied in the future by the firm that handles our uniform tags, at cost.

E. L. CHAMBERS

Madison, Wis.  
State Entomologist

#### Keeping Evergreens Healthy

Methods Recommended by the Wisconsin Department of Agriculture and Markets

With the advent of hot dry summer weather evergreens should be given plenty of water and carefully guarded against red spider attack. This pest is a very small mite, barely visible. If allowed to become numerous on evergreens the mite will, through its habit of sucking sap from the foliage, cause them to lose their characteristic colors and assume a "rusty" appearance. Red spider can readily be controlled by the employment of one of the following methods:

1. Syringe the foliage with water under pressure from garden hose or power sprayer, taking particular pains to secure a forceful spray applied from underneath the foliage.

2. Spraying with a glue spray consisting of  $\frac{1}{2}$  lb. of a cheap grade of ground bone glue in 5 gallons of water. (Dissolve the glue first in a small amount of boiling water).

3. Dust with sulphur liberally on a warm day, using a superfine commercial brand of dusting sulphur.

**Follow Directions**—If used as recommended no injury will result from any of these treatments. Avoid spraying an evergreen in the middle of the day as water alone will sometimes result in injury by scalding at such times. Repeat treatment six days after first application to kill young spiders escaping in egg stage and remember that applications should be made as often as necessary because of continual reinfections.

Complete information on control measures for other insect pests and plant diseases of Nursery stock will be gladly furnished upon request by addressing the State Entomologist, Room 14, Capitol Annex, Madison, Wisconsin.

## What Is In Store for Nurserymen in July

**Minneapolis the City of Beautiful Lakes, Parks and Residence Districts—Victory Drive Flanked by 560 Elms—Gateway to Northwest Playground**

**I**T WAS a river that changed the frontier village of St. Anthony into the Minneapolis of today; a river sauntering along on its way to the Gulf, stumbling a little over rocks and falling with just enough force to turn the wheels of a flour mill that was later to make the city famous.

It was a lake, several lakes in fact, that changed the scattered groups of houses into homes; lakes along whose quiet shores children and grown-ups alike bathe in summer and skate in winter; lakes sheltered by huge trees whose low-hanging branches almost touch their reflection below. And Harriet, Calhoun, Nokomis, Lake of the Isles, Cedar and other natural lakes within the city borders of Minneapolis are not the self-conscious man-made affairs to which many city park builders point with pride, but real yacht-going bodies of water with shore lines ranging from two to five miles in length. They have been dug and moulded and tree-fringed by the gigantic finger of old mother nature herself. Minneapolis seems a paradise to visitors not accustomed to seeing a bright blue lake every few blocks in their own city.

Located as it is on the Mississippi, at St. Anthony Falls, Minneapolis has become the focal point through which pass and return a great army of recreation and pleasure hunters of an entire country. It is not merely the last station on the line from which the tourist is sent on to the beauties of the state, but combines within itself the unusual features of Vacation Land. Modern, attractive and luxurious hotels provide comfortable quarters for the visitor to the city, who, on account of the lakes and parks in which Minneapolis abounds, can find here all of the delights which accompany a vacation at lakeside resorts. The wonderful system of boulevards encircling the city afford opportunities for long drives past the chain of lakes, through the beautiful and commodious parks, through residence sections of unusual attractiveness and along the picturesque banks of the "Father of Waters." And if one desires to go adventuring he can visit the Falls Minnehaha immortalized by Longfellow, follow the Mississippi to historic Fort Snelling, or drive to famous Lake Minnetonka a few miles out of the city, where he can dine at fashionable summer hotels or eat a picnic lunch at a suitable camp site and glimpse the glorious beauties of this garden spot of nature. A drive around the meandering roads encircling Minnetonka is an experience not soon forgotten.

But while Minneapolis is known to many persons as a city of beautiful lakes, parks and residence districts, its industrial advantages are legion. It is tapped by 29 railroads, 10 of which are trunk lines. It is the home of the Ninth Federal Reserve Bank and has 13 national banks, 12 state banks, one savings bank and four trust companies.

Ranking fifteenth among the cities of the country in the value of manufactured products, Minneapolis' industrial fame is built principally upon its flour mills, which have a daily capacity of 85,500 barrels. It is the largest linseed products center in the world,

as well as the largest distributing center in the world for tractor and agricultural implements.

Minneapolis boasts of 1400 manufacturing establishments making a wide variety of products.

Minneapolis long ago achieved a reputation as an educational center. Its system is being copied by various cities throughout the United States. It now houses 112 public schools and the University of Minneapolis—the fourth largest educational institution of its kind from a standpoint of attendance in the United States. It is reputed as having the lowest percentage of illiteracy of any

Ten Thousand Lake Region that this territory has ever enjoyed in the past.

Minneapolis has frequently been termed the gateway to the Ten Thousand Lakes of Minnesota region and the Northwest Playground. From here the tourist may start on his journey to any sort of vacation resort his mind may picture.

In Minnesota, the tourist may drive over well-kept highways, past prosperous farms, through groves of beautiful trees, along the shores of sparkling lakes, along the steep bluffs of the Mississippi or into the north country where the pointed pine trees whisper, foaming waterfalls beautify the rugged



MINNEAPOLIS CIVIC & COMMERCE ASSN - B-16

LAKE OF THE ISLES BOULEVARD, MINNEAPOLIS

city of its size in the United States—its percentage being 1.2%.

The Minneapolis Institute of Arts, the Walker Galleries, the Symphony Orchestra, known throughout the country. Schools of Music and Art, its libraries and other similar institutions stamp it conclusively as a cultural center. Its new three million dollar auditorium now offers one of the finest convention meeting halls in the United States.

Visitors to Minneapolis would not feel their sojourn here complete if they did not look in on the Chamber of Commerce, the nationally important grain exchange.

The city is justly proud of its Victory Memorial Drive also, several miles in length flanked by 560 elms, each dedicated to the memory of a Minneapolis resident who lost his life in the World War.

One of the city's most unique institutions is the Gateway Information Bureau of the Minneapolis Civic & Commerce Association, situated in the beautiful Gateway Park section, equipped to give information and service of every description and character to Minneapolis visitors.

Last year over a million inquiries were answered at this bureau. Increased inquiries received over counter and by mail during the few months of this year indicate that 1929 will prove one of the most important tourist seasons from a standpoint of the number of visitors entering the city and the

granite crags, or along the shore of the "Shining Big Sea Water" of the Indians—Lake Superior. He can lose himself in the wilderness to hunt and fish, or paddle a canoe for miles; he can live in luxurious summer hotels with golf courses, tennis courts, and all modern conveniences that his taste demands, or if he is so inclined, may rent a summer cottage or log cabin on the shore of a lake with a white, cool, sloping sand bathing beach—a lake where game fish abound.

Beyond Minnesota are the National Parks—Yellowstone, Glacier or Jasper. There is also the Black Hills. Should you wish an extensive tour there is Alaska.

In all of these mountainous strongholds offer an appeal, and an experience that will never be forgotten on visiting this section. If you have been there in the past the thrill of it all will call you back.

Whatever the form of vacation pleasure you may seek you will find it in the Northwest with its crisp, invigorating air, its fresh freedom, and cordial invitation. This is the country that makes sick people well.

For information on this Playground—whether it be concerning resorts, fishing and hunting possibilities, hotels, lakes, or anything else that would interest a tourist, write to the Publicity Bureau of the Minneapolis Civic & Commerce Association, Gate-

(Continued on Page 181)

# SURPLUS LIST --- SPECIAL PRICES

All Well Developed First Class Stock

## BIG SHRUBS—4-7 years old—Extra Fine

Quantity	Variety	Size	Price Each
		C	Rate
150	Aronia Melanocarpa	18-24"	.18
995	Berberis Thunbergi	15-18"	.15
4000	Berberis Thunbergi	18-24"	.20
3000	Berberis Thunbergi	2-3'	.25
300	Cercis Canadensis	2-3'	.20
900	Cercis Canadensis	3-4'	.30
900	Cercis Canadensis	4-5'	.40
300	Cercis Canadensis	5-6'	.65
100	Cercis Canadensis	6-8'	1.00
360	Cornus Lutea	3-5'	.20
420	Cornus Siberica	3-4'	.18
800	Cornus Siberica	4-5'	.25
67	Cornus Siberica	5-7'	.45
400	Deutzia Lemoni	2-3'	.20
100	Deutzia Lemoni	3'	.35
1900	Deutzia Scabra Crenata Pl. Pl.	3-5'	.18
160	Deutzia Scabra Crenata Pl. Pl.	5-7'	.30
2200	Deutzia Pride of Rochester	3-5'	.18
900	Deutzia Pride of Rochester	5-7'	.30
1000	Forsythia Intermedia	3-5'	.20
250	Forsythia Intermedia	5-6'	.40
225	Forsythia Viridissima	2-3'	.18
600	Forsythia Viridissima	3-5'	.25
250	Forsythia Viridissima	5-7'	.60
1025	Hibiscus Syriacus (Reds)	2-3'	.20
2580	Hibiscus Syriacus (Reds)	3-4'	.28
35	Hibiscus Syriacus Standards Pinks	4-5'	.70
50	Hibiscus Syriacus Standards Pinks	5-6'	1.00
100	Hydrangea Aborescens	2-3'	.20
1900	Hydrangea Aborescens	3-4'	.28
215	Hydrangea Aborescens	4-5'	.40
400	Hydrangea Paniculata Grandiflora	3-4'	.40
300	Hydrangea Paniculata Grandiflora	3-5'	.70
760	Ligustrum Amurensis	3-4'	.15
282	Ligustrum Iboti Regaliamum	3-4'	.22
148	Ligustrum Fragrantissima	3-4'	.24
3350	Ligustrum Morrowi	4-5'	.20
335	Ligustrum Morrowi	5-6'	.25
2058	Ligustrum Tartaria	4-5'	.24
190	Ligustrum Tartaria	5-7'	.40
600	Philadelphus Coronaris	3-5'	.20
800	Philadelphus Coronaris	5-7'	.32
2000	Philadelphus Gordoniiana	4-5'	.28
345	Philadelphus Gordoniiana	5-7'	.40
300	Philadelphus Grandiflora	4-5'	.24
150	Philadelphus Grandiflora	5-6'	.40
163	Philadelphus Lemoni	2-3'	.20
500	Physocarpus Opulifolia	4-6'	.24
200	Rhus Copallina	4-6'	.28
1000	Rhus Copallina	6-8'	.50
200	Sambucus Acutiloba	2-3'	.20
280	Sambucus Nigra	4-6'	.24
100	Sambucus Nigra Aurea	3-5'	.32
300	Spiraea Bumalda	3-4'	.24
1000	Spiraea Bumalda	4-5'	.30
125	Spiraea Douglassii	2-3'	.25
300	Spiraea Vanhouttei	4-5'	.32
150	Symporicarpus Racemosus	2-3'	.20
500	Symporicarpus Vulgaris	2-3'	.16
3700	Symporicarpus Vulgaris	3-4'	.17
690	Syringa Vulgaris	2-3'	.25
89	Syringa Vulgaris	3-4'	.60
75	Syringa Vulgaris	4-5'	.90
1000	Syringa Vulgaris French Hybrids	2-3'	.60
800	Syringa Vulgaris French Hybrids	3-4'	1.00
300	Vitex Negundo Incisa	2-3'	.16
600	Vitex Negundo Incisa	3-4'	.20
600	Vitex Negundo Incisa	4-5'	.25
67	Weigelia DeBoise XX	5-7'	.60
15	Weigelia DeBoise XX	7-8'	.75
200	Weigelia Rosa Variegata	3-4'	.25
200	Weigelia Rosa Variegata	4-5'	.35
150	Weigelia Rosa Variegata	5-6'	.50

## TREES—5-7 years old

Quantity	Variety	Size	Price Each
		C	Rate
1100	Acer Dasycarpum	6-8'	2-1" \$ .55
1500	Acer Dasycarpum	8-10'	1-1" .85
1000	Acer Dasycarpum	10-12'	11-14" 1.20
650	Acer Dasycarpum	12-15'	13-2" 1.65
30	Betula Lenta	4-5'	.55
90	Betula Lenta	5-6'	.65
40	Betula Lenta	6-7'	.80
750	Catalpa Speciosa	3-5'	.25
325	Koelreuteria Paniculata	3-5'	.35
75	Koelreuteria Paniculata	5-6'	.60
690	Liriodendron Tulipifera	5-7'	.60
1400	Liriodendron Tulipifera	7-9'	.80
350	Liriodendron Tulipifera	9-11'	1.20
100	Liriodendron Tulipifera	11-13'	1.40
150	Malus Arnoldianum	4-6'	.75
100	Malus Arnoldianum	6-8'	1.50
400	Populus Meyeri	5-7'	.40
700	Populus Meyeri	7-9'	.60
140	Populus Italica Nigra	20-30'	3.20
240	Robinia Pseudo-acacia	4-6'	.30
120	Robinia Pseudo-acacia	6-8'	.40
130	Salix Alba	3-4'	.25
260	Salix	4-5'	.30
200	Salix (Basket Willow)	4-5'	.20
675	Salix	5-7'	.30
500	Cornus Florida (White Dogwood)	5-6' XXX	1.00
500	Cornus Florida (White Dogwood)	6-8' XX	1.25
300	Cornus Florida (White Dogwood)	8-10' XX	2.00

NOTE—Add 20% for 10 rate; 25 at 100 rate; 10% off for 1000 rate.

## EVERGREENS—LINING OUT STOCK

Quantity	Variety	Description	Size	Price Per C	Price Per M
1000	Picea Excelsa	2 yr. Seedling	9-12"	\$ 20.00	
2000	Picea Pungens Glauca	4 yr. 1 Trans.	6-9" XX	50.00	
2000	Picea Pungens Glauca	4 yr. 1 Trans.	9-12"	80.00	
1200	Pinus nigra (Austrian Pine)	2 yr. Seed.	3-6"	14.00	
1000	Pinus nigra (Austrian Pine)	2 yr. Seed.	6-9" XXX	25.00	
4000	Pinus Resinosa (Red Pine)	5 yr. 1 Trans.	12-15" XX	75.00	
2600	Pinus Sylvester (Scotch P)	2 yr. Seed.	6-9"	15.00	
400	Pinus Sylvester (Scotch P)	2 yr. Seed.	9-12"	30.00	
1000	Pinus Sylvester (Scotch P)	4 yr. 1 Trans.	12-18"	75.00	
1000	Picea Sylvester (Scotch P)	4 yr. 1 Trans.	18-24"	180.00	
1200	Pseudotsuga Taxifolia (Douglas Fir)	2 yr. Seedling	4-7"	20.00	
1000	Pseudotsuga Taxifolia (Douglas Fir)	4 yr. 2 Trans.	12-18"	180.00	
2000	Pseudotsuga Taxifolia (Douglas Fir)	4 yr. 1 Trans.	18-24"	250.00	
350	Buxus Semperfivrena		18-24"	100.00	
300	Retinospira Flavescens		8-11"	25.00	
300	Retinospira Pisifera	2 yr. Seedling	6-9"	5.00	
240	Retinospira Plumosa		9-12"	20.00	
350	Retinospira Sq. Veitchii	1 Trans.	9-12"	22.00	
400	Retinospira Siphurea	3 yr. 1 Trans.	9-12"	22.00	
500	Juniperus Seuatica	3 yr. 1 Trans.	12-15"	24.00	
750	Thuya Occ. Pyramidalis	3 yr. 1 Trans.	12-15"	20.00	
300	Thuya Orientalis Chinensis	2 yr. Seedling	6-9"	4.00	
1200	Thuya Orientalis Chinensis	2 yr. Seedling	9-12"	6.00	50.00
250	Thuya Warreana	3 yr. 1 Trans.	9-12"	24.00	
1000	Thuya Plicata Gigantea	3 yr. 1 Trans.	9-10"	24.00	200.00

## DECIDUOUS STOCK

4000	Berberis Thunbergi	2 yr. Seedling	9-12"	\$ 10.00	
2500	Berberis Thunbergi	2 yr. Seedling	12-15"	15.00	
2500	Berberis Thunbergi	2 yr. Seedling	15-18"	20.00	
400	Betula Lenta	2 yr. Seedling	2-3'	3.50	
400	Betula Papricaeifolia	2 yr. Seedling	2-3'	3.50	
400	Betula Populifolia	2 yr. Seedling	2-3'	3.50	
400	Hibiscus Syriacus	2 yr. Seedling	9-15"	2.00	
75	Larix Leptolepis	2 yr. Seedling	8-12"	8.00	
100	Larix Leptolepis	2 yr. Seedling	12-18"	10.00	
500	Lespedeza Bicolor	2 yr. Seedling	2-3'	5.00	40.00
500	Rhodotypos Kerriodes	2 yr. Seedling	1-2'	3.00	22.00
250	Syringa Vulgaris	2 yr. Seedling	6-12"	3.00	
1000	Rosa Multiflora	2 yr. Seedling	8-15"	22.00	

250 at 1000 rate.

All our stock is sprayed and certified for cleanliness by Federal Inspection

**LEWIS NURSERIES, Inc. - - - ROSLYN, N. Y.**

WE SUGGEST RESERVATION OF ADVERTISING SPACE NOW

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American Nursery Trade

Exclusively for the Nursery Trade and Allied Interests

Logical Medium for Inter-Trade Communication

National and International Circulation

AMERICAN FRUITS PUBLISHING COMPANY, INC.

39 State St., Rochester, N. Y.

# AMERICAN NURSERYMAN

American Nursery Trade Bulletin



## CHIEF EXPONENT OF THE AMERICAN NURSERY TRADE

Featuring the Nursery Trade and Planting News of American and foreign activities as they affect American conditions. Fostering individual and associated effort for the advancement of the Nursery and Planting Industry.

Absolutely independent.

OFFICIAL JOURNAL  
PACIFIC COAST ASSOCIATION OF NURSERYMEN  
Largest District Organization in the Trade  
ILLINOIS STATE NURSERYMEN'S ASSOCIATION  
Leading State Nursery Trade Organization

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Phones—Main 5725, Glenwood 760  
Chief International Publication of the Kind

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One Year, in advance - \$2.50  
To Foreign Countries and Canada - \$3.00  
Single Copies - .20

ADVERTISING RATES on Application  
Advertisements should reach this office by the 10th and 25th of the month previous to the date of publication.  
If proof of advertisement is desired, time should be allowed for round trip transmission.

ROCHESTER, N. Y., APRIL 15, 1930

## FOUNDER OF AMERICAN NURSERY TRADE JOURNALISM

THE FIRST Nursery trade paper in America was established in 1892, as long-time Nursery concerns know, and for nearly thirteen years was conducted under the personal and exclusive direction of Ralph T. Olcott, of Rochester, N. Y., who later founded the AMERICAN NURSERYMAN on broad and untrammeled lines.

"The dean of Nursery Trade Journalists."—John Watson.

## A Policy Roundly Echoed

"Cultivated Americans, impatient with cheap sensationalism and windy bias, turn increasingly to publications edited in the historical spirit. These publications, fair-dealing, vigorously impartial, devote themselves to the public weal in the sense that they report what they see, serve no masters, fear no groups."—Time Magazine.

## Sound Distribution

"Distribution has been much stressed, perhaps correctly, by executives, organizations and business analysts as the present main problem of industry. Nevertheless, I am of the opinion that there can be no sound distribution that is not based on sound production."

"To find and serve a market is to presuppose a capacity to produce economically, wastelessly. Buyers have a way of seeking out the producer who best serves them at the factory."—Charles Ault, Auburn, Me.

## BOUGHT ON MERIT

The circulation of the "American Nurseryman" is bought by readers solely on editorial merit. It is never sold through schemes—cut rates, "clubbing," premiums and deferred payments never being employed.

## ANOTHER NURSERY PHASE

Dr. Ralph McKee, of Columbia University, has been working four years, at the instance of the Oxford Paper Company, on new hybrid poplars to produce trees maturing rapidly suitable for paper manufacture (aided by New York Botanical Garden experts). He has developed 101 hybrids from 21 species of poplars, 14 of which especially suited to paper manufacture in eight years attain a growth which takes normal poplars 45 years to reach.

Such a crop is more valuable than wheat or corn. These poplar seedlings cost about \$5 per acre; in eight years the crop is worth \$600. In the same period wheat crops would be worth \$240 per acre. Poplars can be grown on barren soil, it is asserted.

All of which suggests the practicability of production by Nurserymen of commercially valuable trees and plants (besides fruit bearers) as well as ornamentals. Who will be among the first to establish this phase of horticulture?

## NINE STATES IN LINE

The state authorities of California, Connecticut, Massachusetts, Michigan, Missouri, Oklahoma, Oregon, Pennsylvania and Rhode Island are definitely active in roadside landscaping.

The states of Arizona and Colorado are favorably ranked with 13 states in a fourth classification that boast activity of citizens or private groups encouraging and cooperating with the highway department.

Western states in the fifth or final classification include Washington, Idaho, Utah, New Mexico, Nevada, Montana, and Wyoming. Washington has come forward with a law making it a misdemeanor to destroy roadside shrubbery, and legislation in 1927 permitting planting. Utah announces the intention of experimenting with trees which may withstand arid climate; New Mexico is begging citizens and visitors to spare all forms of plant growth as well as its prehistoric ruins. Nevada reports making preparatory studies in roadside landscaping, while Montana and Wyoming had not launched any landscaping move at the time of the survey.

## ARNOLD ARBORETUM NEED

The income from the Charles Sprague Sargent Memorial Fund of \$1,000,000, completed except for about \$70,000 still to be collected on pledges, will take care of the average annual operating deficit of Arnold Arboretum, for so many years met by Professor Sargent and his friends.

The arboretum's regular income, however, is insufficient to provide for any new enterprises, and it cannot afford to mark time or it will speedily lose its position of leadership. The most pressing need today is for a rockery for such woody plants as will not grow in the open ground, and for a rose garden, where species may be studied, although no attempt will be made to plant the countless varieties which now are being grown in many other places. It is proposed to set aside each year from the returns of this appeal and a definite sum towards the construction of such a rockery and rose garden. The committee appointed by the Overseers of Harvard College to visit the arboretum appeals for a contribution of \$10 or larger sum.

## DESIGN IS THE CHIEF INTEREST

A member of the florists' committee on horticultural education suggests that particular emphasis should be placed on some action by this organization which will bring about a better knowledge of plants by the men who use them in landscape design. His statement is that in many instances so-called landscape architects know less about the plants with which they are working than do artists who work with pigments regarding the nature of the materials with which they produce their pictures. In many educational institutions giving instruction in landscape gardening, much stress is placed on the necessity for a thorough knowledge of plants in all their aspects, but in the broader fields of landscape architecture, design is the chief interest and the materials which are used in developing the design are little appreciated.

## FOR TRUE COLOR DESCRIPTION

As one who has been for many years interested in accurate flower descriptions, J. Horace McFarland, Harrisburg, Pa., has almost despaired sometimes at the color trouble.

"There are various chart systems," he says. "Some of them quite complicated, and not one of them really effectively useful in conveying accurate information as to what the color of the flower petal is."

"Then further, there is the disturbance when the same color is differently described."

Mr. McFarland directs attention to announcement of a color exhibit in Washington, D. C., May 13 and 14, in connection with the United States Pharmacopoeial Convention. The circular gives the details and indicates the responsible scientific character of the gathering.

## AUTHORITATIVE PLANT NAMES

Chairman J. Horace McFarland, of the American Joint Committee, says of the well-known guide to plant names:

"The use of 'Standardized Plant Names' has considerably increased, and the enterprise of its publishing is now close to being 'out of the red.' It is probably just, rather than self-commendatory, to say that the chairman of your Committee has 'carried the bag' for this enterprise, without interest, for some seven years, and is consequently glad to have that bag nearly empty!"

"Standardized Plant Names" is now seven years old. The making of new plants and the finding of new names for old plants and the whole matter of plant terminology has not been asleep within this period. There is, therefore, appearing a very definite call for a revision and re-issue of 'Standardized Plant Names.' When that volume was published its sponsors and producers in the Subcommittee of the American Joint Committee on Horticultural Nomenclature expected a revision in not more than ten years.

"Attention of scientific bodies and botanists to this matter of uniform terminology encourages the feeling that if someone could take up the work now where the producing committee left off in 'Standardized Plant Names,' it would not be impossible to secure cooperation abroad, and therefore to begin world peace in plant names."

# Greatest Drawback In the Nursery Business

**Is the Difficulty of Describing Plant Materials Which Makes Possible the Stressing of Price Appeal—Unfair Quotation of Wholesale Prices**

## WHAT REMEDY FOR VIOLATION OF ETHICS IN CASES CITED

By Josiah J. Hazen, President Neosho Nurseries Co., Neosho, Mo.

Editor American Nurseryman:

We hesitate to make comments about Nursery practices because we live in a glass house ourselves. However, it is often beneficial to talk about the ideal for the sake of our own improvement. It is in this spirit that these remarks are uttered.

The greatest drawback to the Nursery business is the difficulty of describing plant materials which makes it possible for would-be or short-sighted or unskilled Nurserymen to emphasize the price appeal. So the customer often fails to enjoy growing satisfaction and learns only by painful experience where to secure trustworthy materials and reliable service. Unfortunately such experiences tend to give the Nursery business as a whole a black eye.

Standards of grades have been recommended by a committee of the American Association of Nurserymen, but we are unfortunately slow to adopt these, at least in presenting these specifications to our prospective customers. The well-posted buyer of apple trees, for instance, ought to know the age of roots and tops and the diameter of the trunks. In selecting a source for privet he should know at least the number of canes for each size. With roses, the problem is especially difficult, which makes it possible for a man to put one over on the susceptible public in this manner: A certain person who was in our office not long ago claimed that he sold \$22,000 in roses at \$3 apiece the same grade and age as are generally listed by wholesale Nurserymen at 32c. (He told us where he purchased them and also the price). And then we worry about department store competition, inferior plants at 25c, such as we saw in a store window a few days ago. No wonder it takes time to build up a reputation for good stock and service!

There are other thorns in the flesh. The Federal Fish Hatchery took our advice on beautifying their grounds, but had to have quotations on the plant materials required, from two other Nurseries. We gave them the names of two concerns. The order went to one of these two who quoted wholesale prices, the same prices we ourselves would have had to pay.

We had requests for quotations from the State Highway Department and discovered later they bought from a wholesaler at trade prices. Other experiences of this sort are all too frequent. One of the most astonishing was that of a self-styled landscape gardener who in one of his plantings put Spirea Van Houttei and Billardi alternately around the house and showed us his invoices from

WE buy quite a bit of stock every year—\$15,000 last year and \$20,000 or more this season. In that buying we are not governed entirely by price. Quality comes first, but we do not feel that we should willingly purchase from wholesalers who sell at trade prices to hospitals, colleges and other organizations or who sell at those prices to orchardists. We have evidence that this is not an uncommon practice. I know of one good-sized order that a retail Nurseryman gave to a wholesaler largely because the latter refused to sell stock at retail.

I will go on record that, by and large, Nurserymen, wholesale and retail, are square shooters and mighty pleasant people with whom to do business.

The retail Nurseryman and the dealer are the bread and butter to the wholesaler. That is the business the latter should foster and protect.

—Neosho Nurseries Co., Neosho, Mo.

a wholesale house at the same prices we were quoted by that same wholesaler.

What is the remedy?

Such practices hurt the one who does them more than anyone else. Some years ago we ordered 15,000 trees from a certain Nurseryman. When we placed that order we had one of our orchard friends ask that Nurseryman for a quotation on 1,000 of the same variety, age and size. This friend sent us the reply quoting the same price on 1,000 as to us on the 15,000. We canceled our order and have never bought a single item from that Nurseryman since that day.

On the other hand I know of one order of over \$2,000 that went to a certain Nursery largely because they declined to quote or sell direct to a retail buyer.

All of which sets us—ourselves—to thinking what we are doing that we ought not to do and what should we do that we are not doing to further our own interests and those of the industry.

JOSIAH J. HAZEN, President  
Neosho, Mo. Neosho Nurseries Co.

### What Antoine Started

"At one time I wrote a eulogy in memory of the man who is said to be the first successfully to perfect a graft on a pecan tree," said James J. Voorhies, of San Antonio, Tex., recently. "If I remember correctly, in substance it was:

"A man by the name of Antoine, of St. James Parish, La.,\* in 1846 set that graft. He unconsciously erected a monument to human intelligence and created a name that will last as long as time. His followers are also deeply deserving of praise, notwithstanding they have met with many obstacles, and at times were discouraged; yet such obstacles have failed to halt their undaunted courage. The paper-shell variety of pecans, also known as budded or cultivated varieties, have increased in production more than 200% in the last five years."

### The Great Awakening

The sportsmen of Pennsylvania are calling upon the foresters to use some kinds of trees in reforestation that will make harboring places and at the same time provide food for game.

Pennsylvania, like many other states, has gone almost entirely to pine. Those who have reason to know say that "nearly every other man in Pennsylvania is a sportsman." And everyone knows that pine trees do not harbor nor feed game."

Perhaps the great awakening in northern nut tree planting may come from the conservationists after all.

Meantime, the U. S. Department of Agriculture might well maintain one or more experts exclusively for developing an edible nut industry in the twenty northern states of the Union where native American nut trees will thrive.

### Comparison of Yields

A study of pecan yields in 75 representative orchards 15 to 19 years of age, selected at random in producing areas east of the Mississippi, showed an average of 145 pounds per acre. Only seven per cent showed an average of slightly more than 350 pounds per acre. Both walnut and filbert orchards in the Northwest are averaging better than 1000 pounds. Until the pecan growers can raise their average the menace to the nut growers of the Northwest from the pecan is not as great as it has seemed. They cannot possibly grow nuts as cheaply where production is so much larger.—Better Fruit, Portland, Ore.

"And Walnut Trees"—Now and then there comes out of Texas announcement indicating that some are taking notice of the lowly black walnut—or is it always the Persian walnut? Last month at Morgan, Tex., a pecan topping demonstration was announced "to encourage more pecan growers to top their trees for budding to different varieties and to thin out crowded native groves of pecan and walnut trees."

AMERICAN NURSERYMAN, Chief Executive, twice a month \$2.50 per year. Three years, \$6. Canada, abroad, 50c extra per year.

## ARE YOU PLANNING TO BE IN MINNEAPOLIS IN JULY FOR THE ANNUAL CONVENTION OF THE AMERICAN ASSOCIATION?

Interesting Reports on the National Campaign And a Program Full of Lively Trade Topics  
REMEMBER THE DATES: JULY 15-17, AT THE HOTEL NICOLLET

# Movement Which May Advance Nursery Interests

## Widespread Planting of Nuts or Trees by Boy Scouts Likely to Stimulate Planting Interest Generally—Under Direction of Government Authorities

Readers of this journal have been informed, in outline, of the plan of the National Nut Tree Planting Council, an activity of the Boy Scouts of America cooperating with the American Forestry Association, the U. S. Department of Agriculture, the American Walnut Manufacturer's Association and contributing patrons.

Recently the first regularly called meeting of the council was held in the office of the American Forestry Association in Washington, D. C. George N. Lamb, Clarence A. Reed, Ovid Butler and G. H. Collingwood being present. The following officers for two years were elected: Chairman, Clarence A. Reed; vice-chairman, O. H. Benson, secy-treas., G. H. Collingwood. The secretary was instructed to continue to secure membership in the council of one of the patrons; also to complete plans with State Forester Besley for planting black walnuts in the State Nursery at Hagerstown, Md.

A draft of by-laws was discussed and adopted. What is known as the National Nut Tree Planting Project has four immediate objectives:

1. To create and direct among the nation's youth an aggressive, intelligent interest in planting tree seeds of useful species.
2. To cause the actual planting and growing of many such trees throughout the country.
3. To arouse patriotic interest in trees on historical grounds throughout the country.
4. To encourage the public to obtain maximum service from all trees.

The Boy Scouts will gather and ship as directed by their national officer all nuts, or seeds of trees, to be used in the project. At planting time the Scouts will receive and plant on approved grounds and in a prescribed manner such nuts, or trees, as may be provided them.

The Scouts at all times shall be encouraged to advance constructive suggestions relative to the conduct of the project.

Insofar as possible the Scouts shall be dealt with by the Council only through the chief scout executive of the Director of Rural Scouting, Boy Scouts of America, 2 Park Avenue, New York City. Instructions as prepared by the Department of Agriculture relative to handling the seed or trees shall be arranged.

The American Forestry Association will assume general supervision of the project. It will receive all moneys from patrons, will serve as disbursing officer for the Council, and will keep the records of the Project.

The relations of the American Walnut Manufacturers' Association to the Project are largely advisory. It will be free to give publicity to the Project through its several mediums in harmony with the general publicity as established by the Council.

The patrons of this cooperative project are generous public-spirited citizens who by their private contributions make the project possible. One of their number shall be a member of the Council. All patrons shall have the right to attend business sessions.

### Method of Procedure

The Council, or some one appointed by it, shall select historical grounds in each state where the black walnut trees are growing. These areas may be battle grounds, birthplaces or homes of statesmen, or grounds of special interest to the citizens of the respective states or the nation. Trees whose nuts or wood are notable or superior may be properly included. Each tree shall be given a number, and as far

as possible the nuts or seeds from each tree shall be kept separate. In due time, as decided by the Council, these trees may be suitably named. The representative of Boy Scouts of America will arrange with local Scout troops to gather nuts or other seeds from such trees as may be selected. The scouts will ship the nuts according to his instructions.

Instructions for caring for and planting the nuts or trees, caring for the seedlings, keeping records, etc., shall be prepared by specialists in the U. S. Department of Agriculture, printed by the Council, and placed in the hands of the Scouts by the appropriate official of the Boy Scouts of America. Labels for attaching to each lot of nuts, containers for shipping, tags for addressing, etc., will be provided in like manner.

Insofar as possible nuts or seeds for each state will be placed in care of an experienced Nurseryman, the State Forester, a Boy Scout troop, or some other qualified cooperators for planting and growing until the seedlings become of suitable size and condition for transplanting. This will assure the distribution and planting of well-grown, vigorous trees. All authorized expenses not properly chargeable to Federal or State funds in this connection shall be submitted to the Council, and with their approval paid from fund provided by the Patrons.

No member of the Council, Boy Scout, Scout Leader, or other person connected with the project, shall receive compensation from the Project for services performed. The Council may employ necessary labor, and may reimburse its members, or other persons which it may designate, for authorized expenses incurred in the performance of duties in connection with the Project.

This project will be undertaken and developed on a minimum annual budget of \$2,000 a year for five consecutive years.

During the first year work shall be confined to black walnut seeds and trees, but it may be extended to include other tree species at the direction of the Council.

The U. S. Department of Agriculture has announced a public hearing as to the advisability of extending to the State of Mississippi the quarantine of last June on account of the phony peach disease which now affects counties in Georgia and Alabama. The hearing will be at 10 a. m., April 24, before the Plant Quarantine and Control Administration and the Federal Plant Quarantine Board at 1729 New York Avenue, Washington, D. C.

U. S. Department of Agriculture inspectors engaged in eradicating the disease last year found orchards slightly infected with the disease in three counties in Mississippi. These counties are: Madison, Oktibbeha, and Washington. Seven other counties either have suspected cases or are adjacent to infected areas.

The phony peach disease quarantine regulates interstate movement, from the regulated areas to points outside, of peach trees, peach roots, nectarine trees, nectarine roots, and all kinds of trees and shrubs grafted or budded on peach roots or nectarine roots. It also regulates movement from the generally infected to the lightly infected area. The principal danger of spread to distant points is believed to be through the movement of Nursery stock. Scions, seeds, and fruit are not capable of carrying the disease.

### Nurserymen's Environment

Beauty rules our lives as surely as the wind rules the waves. Witness how we are attracted by the beauty of face or form. The whole colorful panorama of flowers is gotten up for a single purpose—to attract the bees and insects, or man himself, to accomplish Nature's work. Whenever it is necessary for Nature to depend upon the active agency of the insect world or upon mankind to accomplish her purpose we find that she uses colors lavishly; where she depends upon the motion of wind or the motion of water or any other inanimate agency devoid of color or beauty, even microscopic in size. Take the Gladiolus as an example—with a great splotch of color on the lower petal which leads right into the nectar like Nature's signboard pointing the way to the insect.

Beauty rules our lives as surely as the winds rule the waves. Consider the gravel pit, that stark sunken cheek on the face of Nature, how it fills with water and becomes a laughing dimple, a pool that gleams with beauty!—Chesla C. Sherlock, Editor Ladies' Home Journal.

### Will It Be Pink This Year?

Notwithstanding the estimates to the contrary of the American Association of Nurserymen, which indicate that most home grounds are not more than one-fifth planted, gardening continues to become a more fascinating and more absorbing occupation to the home maker every year. For, after all, gardening is an ever-changing adventure. No garden is ever exactly like another, and no real garden is ever finished so long as the gardener continues to keep his spark of curiosity which made him investigate, in the first place, the mystery of seeds.

Will the color scheme of the garden be pink this year? Better still, would a harmonious gypsy blending of crimson, azure, amber and royal amethyst be more effective? Those are the questions which April arouses in the thoughts of enthusiastic home makers, for April is planting time, and a home is not quite a home until it has a garden.—Christian Science Monitor.

**Nurserymen Oppose Quarantine**—Fifty Nurserymen in conference in New Haven, Conn., unanimously expressed in resolutions opposition to state-wide quarantining of Connecticut against the Japanese beetle on the ground that the federal government can only establish quarantine at state border points, leaving the state authorities the power to make the quarantine fit areas within the state. The Connecticut authorities proposed a state-wide quarantine in cooperation with the federal authorities. Now, in view of opposition of the Nurserymen it will do nothing until Washington decides upon action.

The Connecticut Nurserymen's Association, through its attorney, E. W. Crawford, of Boston, Mass., drafted the following resolution which was adopted:

Resolved, That the Connecticut Nurserymen's Association respectfully request that the Plant Quarantine and Control Administration reconsider its action relative to the Japanese Beetle Quarantine effective March 1, 1930, so far as it affects the State of Connecticut and whereby the entire State was put under regulations; and that the quarantine lines be re-established substantially as in 1929, with the exception of the additional infestation found in Willimantic which infestation shall be treated as an isolated point.

# U. S. Senate Committee Recommends Patent Bill

## Giving Exclusive Right to Introducer to Propagate His Plant by Sexual Not by Seed Process—Indorsed by A. A. N., U. S. D. A. Secretary

### ANNOUNCEMENT BY PRESIDENT A. M. AUGUSTINE OF THE A. A. N.

The following announcement under date of April 5 by President A. M. Augustine, A. A. N., is self-explanatory:

To Members of American Association of Nurserymen:

You will be interested in knowing of the wide-spread support given to the Townsend-Purnell plant patent bill by horticultural, agricultural and scientific groups.

The Townsend bill was referred to the Senate Committee on Patents, and, after consultation with the Patent Office and the Department of Agriculture, it was modified and improved in several respects. The bill was reported to the Senate with the recommendation of the Committee that it be passed.

The following are excerpts from the report of the Senate Committee:

"The bill provides that any person who invents or discovers a new and distinct variety of plant shall be given by patent an exclusive right to propagate that plant by a sexual reproduction; that is, by grafting, budding, cuttings, layering, division, and the like, but not by seeds.

"Today the plant breeder has no adequate financial incentive to enter upon his work."

"The proposed legislation has been endorsed by former Secretary of Agriculture Jardine, the National Horticultural Coun-

cil, the American Association of Nurserymen, the American Farm Bureau Federation, the National Grange, and many state commissioners of agriculture, experiment station officials, and individual growers and Nurserymen.

"In accordance with existing patent law, the bill would not permit the patenting of plants that have been in public use, either before or after the approval of the bill, for more than two years.

The following extract from a letter from the Secretary of Agriculture appears in the Committee report:

"The proposed legislation would appear to be desirable and to lend far-reaching encouragement to agriculture and benefit to the general public.

This statement concerning the status of the bill is merely for your information. No action on your part is necessary at this time. If any further information concerning this legislation is required, please address the office of the president. The inquiry will receive prompt attention.

A. M. AUGUSTINE, President

**City Buys of Nurserymen**—Contract for 1800 shade trees, for \$4,350, was awarded last month by the Monroe, Mich., City Council to Greening Nursery Co., Monroe.

**For Bat Roost in Graveyard**—E. E. Risien, one of Texas' leading pecan growers, is sponsoring a campaign to raise \$1,000 to set up a gigantic bat roost in a graveyard. He believes a flock of a million bats would completely protect pecan crops from ravages of insects within a radius of ten miles. A private bat roost accommodating 1,000 bats is maintained by Mr. Risien at his home in San Saba.

It is said that in the early days of John D. Rockefeller's activity he hired a man at a sizeable salary for what he regarded as an important job.

"Your duties," he said, "are to lean back in an easy chair, put your feet up on the desk, and figure out new ways for the Standard Oil Company to make more money."

While this policy may be thought to be out of tune with present day hustle, it is worthy of careful consideration—at least for practice by the proprietor.

#### EVERGREENS

2X EVERGREENS		Per 100
Norway Spruce, 2-3 ft.		\$70.00
Am. Arbor Vitae, 2-3 ft.		80.00
White Spruce, 2-3 ft.		120.00

**LIGONIER NURSERY**  
"On the Alleghenies" LIGONIER, PA.

IT COSTS LESS THAN 21 CENTS A MONTH TO KEEP IN TOUCH WITH THE TRADE THROUGH A REAL NURSERY TRADE JOURNAL.



#### GOOD PRUNING

means better trees and better fruit. It is easy to do good work with the BARTLETT COMPOUND LEVER PRUNERS. Used and endorsed by experts. We make a complete line of Pruning instruments, shears, saws, trimmers, etc. Write for free illustrated catalogue.

BARTLETT MANUFACTURING CO.  
Box 6, 3003 E. Grand Blvd., Detroit, Mich.

Mastodon Strawberry Plants, 12.00 per M.; Aroma, Klondyke, Gandy, Lady Thompson, Michaels Early, Dunlap, Dr. Burrell, Missionary, etc., at \$4.00 per M. 25% discount for cash with order, while they last. 15% if 25% accompanies order. Strawberry plants are short crop and soon will be sold out.

UNITED STATES NURSERIES  
LINWOOD STATION, DETROIT, MICH.

#### What Minneapolis Offers

(Continued from Page 176)  
way Building, Minneapolis. Complete plans for your outings can be made for you free of charge.

The Northwest has for you what you want, so come to this region and enjoy a real vacation among its scenic wonders. Minneapolis invites you to the Land of Sky Blue Waters.

**Almost Free from Gypsy Moth**—Extermination of the gypsy moth in New Jersey now seems assured, reports the United States Department of Agriculture. The success of this project, which is the largest ever attempted with an insect such as the gypsy moth, is attributed to the effective cooperation of the Federal and State offices concerned, adequate financial support, and active cooperation from the field. The first gypsy-moth infestation was discovered in New Jersey in July, 1920.

#### Its Underlying Object

"The great underlying object of this association is to maintain a high and uniform standard of business ethics. Our organization is working for the application of the state laws calculated to protect the public from unscrupulous methods."—R. J. Corryell, President Michigan Association of Nurserymen.

## EVERGREENS

### Norway Spruce. Seedlings

	Per 100	Per 1000
4 to 6 inches.....	\$1.00	\$ 6.00
6 to 8 inches.....	1.50	10.00
8 to 12 inches.....	2.50	20.00

### Norway Spruce. Once transplanted

6 to 19 inches.....	\$2.50	\$20.00
10 to 12 inches.....	3.50	30.00
12 to 15 inches.....	5.00	45.00

### Norway Spruce.

Twice transplanted, stocky trees	
8 to 12 inches.....	\$ 7.00
12 to 15 inches.....	10.00
15 to 20 inches.....	15.00

### Arbor-Vitae, American

Once transplanted	Per 100
6 to 12 inches.....	\$6.00
12 to 18 inches.....	8.50

Samples, each variety and size, 10c. Boxing and packing free of charge.

### CHAS. F. UECKE

New London, Wisconsin

## SALES MEN

Sell Nursery Plants from Hand Colored Photos. Our Folders of Shrubs, Perennials and Evergreens will make it easy to sell your fine nursery stock. Factory prices. Send for Catalog.

### B. F. CONIGISKY

211 Hamilton St. PEORIA, ILL.

### WESTCOTT NURSERY CO.

Falls Church, Va.

### 400 Acres of

### EVERGREENS, SHRUBS, TREES

Write for Price List

## THIS SPACE

\$1.40 Per Issue

Under Yearly Term \$1.25

EVERGREENS		
Per 25	Per 100	
Rhododendron Maximum, 2 to 3' \$ 6.00	\$20.00	
Select Clumps 1½ to 3'.....	15.00	53.00
Kalmia Latifolia Clumps, 2 to 4' 14.00	50.00	
Canadian Virginiana 2 to 4'.....	7.00	25.00
Full carload, 450 Select Clumps Rhododendron Maximum, or Kalmia Latifolia, 1½ to 4 ft., \$150.00. Seedlings of all kinds, 5 to 18 in., per 100, \$5.00; per 1000, \$45.00, B&B in moss or soil. Prompt Shipment.		
All prices F. O. B. Doeville, Tennessee.		
Appalachian Evergreen Company		
Box 30, DOEVILLE, TENNESSEE		

EVERGREENS		
Per 25	Per 100	
Rhododendrons, 2 to 3 ft.....	\$10	\$33
Select Clumps, 2 to 3 ft.....	20	65
Dwarf Mt. Hemlock, 2 to 4 ft.....	13	25
White Pine, 3 to 5 ft.....	20	45
American Mt. Ash, 4 to 6 ft.....		90
WRITE FOR CARLOAD PRICES		
L. A. MAYNARD		
35 ATLANTIC ST.		
UNION CITY, PA.		

## Nursery Trade Bulletin

Westchester, N. Y., Alpine Nursery is the new name of Wilmont Nurseries.

**Country Club Nursery**, San Gabriel, Cal., after 40 years in the Nursery business has changed its line to bulbs.

**Edward Breed, Four Ponds Nursery**, Clinton, Mass., last month addressed an audience in Leominster, Mass., on rose culture.

**E. F. Smith**, formerly supervising propagator for the Morgan Hill, Cal., branch of Leonard Coates Nursery, has established his **Better Homes Nursery** near Salinas, Cal.

**Incorporations**: Hackettstown Nurseries, Washington, N. J., \$5,000; Eric R. Johnson, Kurt Meyer—Hudson Nurseries of Ohio, Dayton, O.

**Howard & Smith**, Montebello, Cal., has the \$7,000 material contract for landscaping Beach Park, Ventura, Cal.; also the planting contract.

The American citrus fruit industry is confronted with increasing competition in foreign producing countries in which production is being stimulated by the steadily growing world demand for oranges and grapefruit.

**At 34th and B'way**—Macy's last month took generous space in New York newspapers to advertise "100,000 rose bushes, 31c each" declaring "June is the month of roses but now is the time to plant them. Our stocks are carefully chosen, large and varied. Two garden experts always on hand to advise."

**Nurserymen Prepare Course**—A course in landscape gardening at the Newark, N. Y., High School this spring was arranged by E. E. Marsh, E. J. Rowan and H. T. Brockway for the Empire State Nurseries and by Peter Patterer for Jackson & Perkins Company. The course included pruning shrubs, principles of landscape design, care of lawns, planting materials and identification.

**A New Winesap**—Manager A. T. Gossman, Columbia & Okanogan Nursery Co., Wenatchee, Wash., reports a bud sport or mutation of the Winesap apple, which has been under observation for several years, top-grafted trees having been brought into production in the company's test orchard. It is said to be a deeper and more brilliant red than the common Winesap, has no stripes, colors earlier, and for the most part to Extra Fancy grade.

**Willadeen Nurseries** of 100 acres have long been established at Sparta, Ky., eight miles from the Ohio River, on the L. & N. R. R., between Cincinnati and Louisville on soil suited to production of general Nursery stock.

January freezes so reduced the amount of citrus Nursery stock in the lower Rio Grande Valley of Texas that a bill in the legislature to exclude Florida citrus stock failed of passage. While the measure was pending a meeting of developers, Nurserymen and others was called at Harlingen to discuss the situation, and it was reported to be the attitude of the land men that Texas Nurseries could not provide enough trees to make good the losses and allow the expansion of citrus acreage which they desire. The land companies desired the matter left where it stood when the Glen Saint Mary Nurseries, of Florida, obtained a temporary injunction in Federal Court, restraining George B. Terrell, Texas commissioner of agriculture, from enforcing a state quarantine against Florida Nursery stock.

**I**T IS the character of the matter to which the attention of the reader is directed—rather than the quantity—that counts.

Discerning readers value this discrimination.

Burke said: "For goodness' sake, let us pass on!"

### Prominent Michigan Nurseryman

Here is a portrait of C. A. Krill, president and general manager of the Presidential Nursery Co., Kalamazoo, Mich., who was elected a member of the executive committee of the Michigan Association of Nurserymen at a recent annual convention in Detroit. Mr. Krill was born Sept. 20, 1878 in Farmington, Wayne County, N. Y. He moved to Michigan in 1886 and to Kalamazoo in 1892. Has been in the Nursery business 30 years. He organized the Prudential Nursery Co., in the spring of 1906; this was incorporated in 1912, Mr. Krill owning the majority of the stock. The Nurseries, comprising 225 acres, are at Vicksburg, Kalamazoo County—the largest departmental Nurseries between Detroit and Chicago.

Mr. Krill helped to organize the Michigan Association of Nurserymen and for six years was its secretary and treasurer. He is married and has four sons, the oldest of whom is 23 years of age, a graduate of Harvard University this year.

J. H. Nicolas, formerly of Conard-Pyle Co., West Grove, Pa., now in the research department of Jackson & Perkins Co., Newark, N. Y., is the author of The Rose Manual presenting a history of the rose, problems connected with culture, classifications, color descriptions, etc. Postpaid, \$3 from American Fruits Pubg. Co., Rochester, N. Y.

**For Propagators Meeting**—Program for the annual meeting of the American Plant Propagators Association, in Minneapolis, Minn., July 15, is under way. Secretary H. L. Haupt asks suggestions by members. Reports of the proceedings are sent to all members. Copies of meeting reports of 1928 and 1929 are still available.

**Southern California Association of Nurserymen** has elected: Chester Baake of the H. L. Baake & Son Nursery, West Los Angeles, president; Tom Edwards, Roy F. Wilcox & Co., vice-president; L. B. Merrick of the Merrick Nursery, Whittier, secretary-treasurer.

### NURSERY TRADE DIRECTORY

**American Association of Nurserymen**—Charles Sizemore, secy., Louisiana, Mo. 1930: July 15-17, Nicollet Hotel, Minneapolis, Minn.

**Alabama Nurserymen's Association**—H. A. Pauley, Secy., Birmingham. 1930: Birmingham, in June.

**Arkansas Nurserymen's Ass'n.**—J. E. Britt, Secy., Bentonville, 1930: Sept. at Fayetteville.

**California Assn. of Nurserymen**—Henry W. Kruckeberg, 340 S. San Pedro St., Los Angeles, Cal.

**Connecticut Nurserymen's Association**—A. E. St. John, Secy., Manchester.

**Eastern Canada Nurserymen's Association**—Chas. K. Baillie, Secy., Box 158, Welland, Ontario.

**Eastern Nurserymen's Association**—H. Lloyd Haupt, Secy., Hatboro, Pa.

**Fruit and Flower Club of Western New York**—Charles M. Henion, Mercantile Bldg., Rochester, N. Y.

**Illinois Nurserymen's Association**—N. E. Averill, secy., Dundee, Ill.

**Iowa Nurserymen's Association**—Harold J. Parnham, secy., Capitol City Nurs., Des Moines.

**Kansas Nurserymen's Association**—James N. Farley, Secy., Topeka.

**Kentucky Nurserymen's Association**—Alvin Kidwell, Secy., St. Matthews.

**Massachusetts Nurserymen's Association**—Winthrop H. Thurlow, secy., West Newbury.

**Michigan Association of Nurserymen**—Mack Newkirk, secy., Monroe.

**Minnesota Nurserymen's Association**—W. T. Cowperthwaite, Secy., 20 W. Fifth St., St. Paul.

**Mississippi Nurserymen's Association**—M. B. Allen, Lilydale Nursery, Long Beach.

**Missouri Nurserymen's Association**—George H. Johnston, secy., Kansas City Nurs., Kansas City, Mo.

**Nebraska Nurserymen's Association**—Ernst Herminghaus, Secy., Lincoln.

**New England Nurserymen's Association**—W. N. Craig, Secy., Weymouth, Mass.

**New Jersey Association of Nurserymen**—Fred D. Osman, secy., New Brunswick. Feb. 1931: Newark.

**New York Nurserymen's Association**—Charles J. Maloy, secy., Rochester.

**Northern Retail Nurserymen's Association**—C. H. Andrews, secy., Faribault, Minn.

**Ohio Nurserymen's Association**—G. Walter Burwell, secy., Columbus.

**Oklahoma Nurserymen's Association**—Mrs. W. E. Rey, 2545 W. 13th St., Oklahoma City.

**Pacific Coast Association of Nurserymen**—C. A. Tonneson, Secy., Burton, Wash. July 8-11, 1930: Hotel Sir Francis Drake, San Francisco, Cal.

**Pennsylvania Association of Nurserymen**—Floyd S. Platt, secy., Morrisville, Pa.

**Rocky Mountain Nurserymen's Assn.**—Chas. C. Wilmore, Secy., Box 382, Denver.

**Rhode Island Nurserymen's Association**—Chas. Kempenaar, Portsmouth.

**Rio Grande Valley Nurserymen's Assn.**—H. L. Bonnycastle, secy., Mercedes, Tex.

**South Dakota Nurserymen's Association**—J. B. Taylor, secy., Ipswich.

**Southeastern Nurserymen's Ass'n.**—Otto Buseck, Secy., Asheville, N. C.

**Southern Alabama Nurserymen's Ass'n.**—W. H. Pollock, secy., Irvington.

**Southern California Nurserymen's Ass'n.**—A. V. Wagner, Wagner Nurseries, Pasadena, Cal. Hold monthly meetings.

**Southern Nurserymen's Association**—W. C. Daniels, Secy., Pomona, N. C. Sept. 10-11, 1930: Norfolk, Va.

**South Texas Nurserymen's Ass'n.**—R. H. Bushway, Secy., 304 McGowen Ave., Houston.

**Southwestern Nurserymen's Association**—Thomas B. Foster, Secy., Denton, Tex. Sept. 4-5, 1929: Fort Worth, Tex.

**Tennessee Nurserymen's Association**—Prof. M. G. Bentley, secy., Knoxville.

**Twin City Nurserymen's Association**—J. Juel, secy., Hoyt Nurs., St. Paul, Minn.

**Western Association of Nurserymen**—George W. Holsinger, Secy., Rosedale, Kan.

**Western Canada Nurserymen's Association**—T. A. Torgeson, Secy., Estevan, Sask.

**Wisconsin Retail Nurserymen's Association**—M. C. Heppler, Secy., Pardeeville.



# For Appointment of Extension Nut Culturist

**U. S. Senator McNary Petitions Department of Agriculture to Give Special Recognition to Practical Application of Costly Research Work—May Introduce Bill**

The American Nut Journal last month sent the following to U. S. Senator Charles L. McNary, Washington, D. C.:

We learn with great interest that you have petitioned the U. S. Department of Agriculture for an Extension Nut Culturist who will devote his time to the edible nut industry of the United States.

Nut culture in this country needs just the aid that such provision would give and you are to be commended highly for taking the initiative.

The American Nut Journal, established 16 years ago at the suggestion of leading advocates of the improvement of native edible nuts as an important step in conserving potentially great natural resources, has recorded the steady advances in such improvement, publishing in much detail for more than a decade the results of successful research work.

In recent years, improved varieties of great merit having been obtained, this journal has strenuously urged the practical application of these results—the planting of commercial orchards of improved varieties, especially in the northern states where, aside from the Pacific Northwest, little has been done in this direction. Organizations like the Northern Nut Growers Association have done wonders in providing the improved nuts, but they have not the facilities for educating the public in sufficient degree to cause the wide application that the economic interests of the country demand. Domestic nut production ought now to be taking the place of imports in much greater measure.

The help of the U. S. Government is needed in taking up the work of the pioneers and carrying on its adequate measure, as well as in still further fostering culture of the kinds of nuts which have reached the stage of commercial orchard development.

An Extension Nut Culturist, thoroughly familiar with the progress of nut culture in all parts of the country from the outset to the present time, is greatly needed as the

## PART OF MISSOURI NURSERY CONCERN'S SHOW GROUND



View of Our Formal Garden at Neosho, Mo., Nurseries

Josiah J. Hazen, president of the Neosho, Mo., Nurseries Co., who signs "Yours for Growing Satisfaction" is rather proud of the company's formal garden. He says: "This garden has proved a good investment. It has stimulated sales to people who visit us,

connecting link between the producers of the improved varieties and the application to orchard requirements. Such work is for a great Federal Department to foster; it is beyond the power of small groups of individuals.

It has cost considerable in research work to originate the fine named varieties of domestic nuts. The improved pecan, now shipped in carlots, is an illustration of what commercial development can do with the fruit of a native tree previously ignored. The black walnut is commanding widespread attention.

Research has triumphed. Intelligent production on a large scale is needed.

The American Nut Journal hopes this greatly needed aid for an important native food development will be forthcoming.

The following reply was received:

Glad to have your approval of Extension Nut Culturist in connection with Department of Agriculture. Hope to accomplish something along this line.

CHAS. L. McNARY

Other senators and a number of representatives have expressed favorable attitude on the subject.

The Louisiana Pecan Growers Association has adopted the following resolution:

"Whereas, It has come to the notice of this association that U. S. Senator C. L. McNary, of Oregon, is petitioning the U. S. Department of Agriculture for an Extension Nut Culturist who will devote his time to the nut industry of the United States; and,

"Whereas, This association appreciates the need and the value of such a specialist; therefore be it

"Resolved, That this association expresses its appreciation of Senator McNary's efforts in this connection and that it call upon the Louisiana representatives in Washington to assist Senator McNary in this undertaking."

particularly those who drive for pleasure on Sunday afternoons. We know also that it has favorably impressed passengers on the Kansas City Southern Railroad which runs along one side of our grounds at Neosho."

## Post Office Shipping Order

An order has been issued to postmasters, requiring them to accept for mailing parcels containing "plants or plant products, including all field grown florist stock, trees, shrubs, vines, cuttings, grafts, scions, buds, fruit pits; and other seeds of fruit and ornamental trees and shrubs, and other plants and plant products for propagation, except field, vegetable and flower seeds, bedding plants and other herbaceous plants, bulbs and roots," unless they are accompanied by a certificate from the State or government inspector to the effect that the Nursery or premises from which such stock is shipped has been inspected within a year and found free from injurious insects and plant diseases, and unless the parcel containing such stock is plainly marked to show the nature of the contents and the name and address of the sender.

**Apple Planting Restriction**—Utah State Horticultural Association in annual session resolved that new plantings of fruit trees by its members should be restricted to a few standard varieties so that a volume of desirable products which will attract outside buyers may be produced. It will be much more advantageous to the growers, the convention decided, if they are able to ship straight carloads of a single variety.

Strawberry acreage in the Plant City, Fla., sector will be greatly increased next year if incoming Nursery stock plants for setting and making of plants may be taken as a criterion. According to C. H. Shanks, local express agent, three times as many plants have been received this year from northern Nurseries as were received last year.

Beverly, O., Nursery & Orchard Co. likes the slogan, "Plan to Plant Another Tree," using it on its stationery as well as the present A. A. N. slogan.

## A Surplus List in April

tells more truth, of stock unsold, than a dozen Catalogs. We want your Surplus Lists at once, please.

**GOBLES NURSERIES**

**GOBLES,** MICHIGAN

## SURPLUS STOCK

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*It is a certificate of good character to have your advertisement admitted to the columns of the AMERICAN NURSERYMAN, because an effort is made to exclude advertisements of a questionable character or which represent concerns that do not practice business ethics recognized in general as worthy. A number of so-called Nursery concerns cannot advertise in this publication.*

## Surplus Stock FOR IMMEDIATE SHIPMENT GRAPES

	2 yr. 1	1 yr. 1
Agawam	500	1500
Lindley	3000	2000
Brighton	1000	4000
Lucile	2000	2000
Early Daisy	1100	1500
Elvira	400	1000
Wyoming Red	300	500
Salem	500	1000
Portland	1300	2000
Vergennes	500	3000
Campbells Early	2000	3000
Beta		600
Lutie		1000
Champion		600
Champagne		250
Moore's Early		3000
Worden	2000	
Clinton		5000
Caco	300	
Catawba	4000	
Concord, 3 yr. 1	2000	
Concord 2 yr. 1	5000	
Concord 1 yr. 1	10000	
Columbian Transplts. No. 1	3000	
Downing Gby., 1 yr. 1	3000	
Houghton Gby. 1 yr. 1	3000	
Poorman Gby. 1 yr. 1	800	
Wilder currant 1 yr. 1	4000	

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Protect your requirements by placing order now while a good grade of stock may be had at an unusually low price.

#### SHADE TREES

	Per 10	Per 100
Ash, American White, 8-10 ft.	\$ 5.00	\$40.00
Ash, European Mountain, 5-6 ft.	7.50	65.00
Birch, European White, 6-8 ft.	8.50	75.00
Birch, Cutleaf Weeping, 5-6 ft.	8.50	75.00
Catalpa, Bungei, 2 yr. 4-5 ft.	5.50	45.00
Elm, American, 8-10 ft.	7.00	60.00
Elm, Chinese, 6-8 ft.	8.50	80.00
Maple, Ash Leaf, 8-10 ft.	3.00	25.00
Maple, Norway, branched, 6-8 ft.	12.50	120.00
Maple, Norway, branch'd, 8-10 ft.	17.50	150.00
Maple, Norway, whips, 6-8 ft.	8.50	75.00
Maple, Silver, 8-10 ft.	3.50	25.00
Oak, Pin, 8-10 ft.	17.50	150.00
Poplar, Lombardy, 8-10 ft.	3.00	20.00

#### EVERGREENS

	Per 10	Per 100
Arborvitae, Amer. Pyramidal, 30-36 in.	16.00	
Arborvitae, Globe, 15-18 in.	11.00	
Arborvitae, Hovey, 15-18 in.	11.00	
Arborvitae, Rosedale, 18-24 in.	9.00	
Arborvitae, Tom Thumb, 12-18 in.	7.00	
Biota Compacta, 18-24 in.	12.50	
Biota Orientalis, 2-3 ft.	7.50	
Pine, Scotch, 2-3 ft.	9.00	
Retinospora Pisifera, 4-5 ft.	17.50	
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# For Information on Commercial Distribution

**Production of Nursery Stock Has Been Brought to High Standard—Problem of Merchandising Now To Be Subject of Census Inquiry**

Nurserymen have long realized the need for basic and comprehensive information concerning the various agencies and channels through which merchandise travels from producers to the final sale to consumers. The lack of such knowledge has placed wholesalers and retailers generally at a disadvantage in the planning of their business. Production in both manufacturing and agriculture has been greatly benefited for many years by the availability of statistical facts concerning production. There seems to be little or no question that distribution will also receive enormous benefit as soon as more comprehensive statistical information is available concerning marketing.

The average output per worker in production has increased 86 per cent since the beginning of the century and 34 per cent since the termination of the World War. No comparable figures are available to show the changes in efficiency in distribution, but the fact that production is taking a smaller and distribution an increasingly larger share of the consumer's dollar than before the war would make it appear that distribution has

not increased in efficiency so rapidly as production. In justice to our distribution system, it must be stated, however, that in many cases the increased cost of distribution may be attributed to better service which is now being rendered. Nevertheless there must be some relation between this situation and the fact that, while abundant data are available regarding production, there are few dependable statistics covering the field of distribution. Thus the big question confronting the business man is how the supplies in all lines of merchandising can be speedily and economically distributed to the consumers, eliminating waste and unnecessary expense.

Until adequate information is available it is wholly impossible to know the many diverse elements of distribution, their operations and deficiencies. Some data has been gathered by governmental and private agencies on distribution, but the work has been restricted in scope and a complete picture has not been presented.

For these reasons and many others the first nation-wide Census of Distribution, now

being taken, has created wide-spread interest in the business world through whose demand Congress has provided for this study by the Bureau of Census, which has arrayed an army of workers to gather the basic facts concerning the vast field of distribution.

The work is confidently expected to develop important and useful knowledge affecting the economic life of the country. Rough guesses concerning such elementals as the number of distributors in operation, and their total volume of business, will be supplanted by "cold figures." Since the survey is being conducted by the Bureau of the Census, Nurserymen need have no hesitancy in answering the questions, because they are protected thoroughly in this particular by the law, which requires that such information shall not be revealed by the Bureau of Census, not even to any other government bureau or department. All employees are sworn to keep secret the figures on the individual returns.

**For Christmas Trees**—"For best results the young seedlings for Christmas trees should be planted in Nursery rows and cultivated for the first three years." This is the advice, says a Bridgeton, N. J., newspaper, which the State forestry specialist E. L. Scovell, gave to George E. Wood, of Jericho, who has ordered seedlings for Christmas tree purposes through the local County Extension office and who is already making plans to give them a good start.

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Sugars, exceptionally well grown trees, 6 ft. to 8 ft., 8 ft. to 10 ft. and  
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10,000	Catalpa bungei .....	2 yr. heads
5,000	Tea's Weeping Mulberry .....	2 yr. and 3 yr. heads
10,000	European Sycamore .....	All sizes
10,000	Lombardy and Bolleana Poplar .....	All sizes
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Write CHARLES SIZEMORE, Secretary, Louisiana, Mo., for full particulars.  
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Vice-President—John Fraser, Huntsville, Ala.

### FROM THE NORTHWEST

The pollen on the filberts seems to have been frozen this spring. It is brown and the catkins are chaffy; when in good shape it is a yellowish green and one coming from the grove this time of the year should look as if covered with sulphur. There is no pollen flying now. For the first time I am looking for a complete failure of the filbert crop in the locality about Portland.

I set out 20 pistachio trees last year with not much hope of having them live. After one of our hardest winters in years they are alive to the last bud. Ten of them were Chinese and ten were the pistachio vera of commerce; all were seedlings. However, I am now quite sure that some day we will raise pistachios in the Pacific Northwest; probably in one of our drier sections instead of the Willamette Valley.

Planting of nut trees, particularly walnuts, has not gone ahead as fast as in years before; perhaps because of the warnings sent out by nut experts. I still think the walnut offers as good an opportunity as anything. We still have a great market untouched.

We are finding that berries forced for growth with nitrogen die back in our cold winters, but when supplied with plenty of superphosphate and potash come through the winters in fine shape.

I have wondered whether the English walnut would not be helped in the east if it were hardened with phosphate and potash. The die-back, so I am told, comes where growth is forced by cultivation and fertilization.

We are finding too that cross pollination helps our walnut crop even though the Franquette is known to be self-fertile. One orchard seems to have its crop practically doubled by being close to a seedling grove.

CARROLL D. BUSH

Mayfair Nurseries, Bergenfield, N. J., was awarded first prize for rock garden exhibit at the International Flower Show in New York City last month.

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### Shade Trees in Psychology

The modern trends in psychology have affected even shade trees and planting according to H. J. Neale of the Bartlett Tree Research Laboratories.

In a recent radio address "New Desirable Shade Trees" Mr. Neale told of the school of "psychological landscape architecture" which chooses types of plants, garden designs, and shade tree specimens not only from the standpoint of soil requirements and principles of design but also from that based on a study of the personal characteristics, whims, and menial needs of the client.

"The tired business man," said Mr. Neale "after a day of intense, sharp physical and mental activity, should not find sharply pointed, ultra-formal trees and plants upon his return home in the evening. On the other hand, these same rigid types would be advisable for one desiring surroundings conducive to clean-cut, decisive thinking."

It is predicted that "psychological landscape architecture," as yet in its infancy, will be used to advantage with the findings of the recently developed school of psychological architecture.

John S. Barnhart, Nurseryman, 78, Beltsville, Md., died late last month.

### "The Future of Nut Growing"

An Illuminating, Informative Address in New York City by Dr. Robert T. Morris, Leading Advocate of Nut Culture in America

We have reprinted the stirring address delivered by Dr. Robert T. Morris in New York City, which was published on two pages of AMERICAN NUT JOURNAL.

This address should be read, not only by all who are interested in any way in Nut Culture, but by thousands of others who have not learned of a subject to their advantage and to the lasting benefit of the country. It marks a forward step in this industry the products of which are shipped in carloads from the Southern and the Pacific states and which is attracting increasing attention in its development throughout the Northern states.

Nut culture is the coming thing. There is opportunity to get in on the ground floor right now—not through large investment, but through intelligent use of moderate means and the application of methods and material at hand as the result of long experience based upon successful investigation.

Copies of this address may be had, while they last, for 10c each from the American Fruits Publishing Co., P. O. Box 124, Rochester, N. Y.

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## LITERATURE

**Landscaping the Home Grounds**—By Leonidas W. Ramsey, Landscape Architect; cloth, 8vo. pp. 170; with 85 illustrations, plans and charts; postpaid, \$2.00. Rochester, N. Y.; American Fruits Pubg. Co., 39 State St.

The author of this timely volume has had unusual opportunity within the last two years to apply his knowledge of landscaping to a study which has given him an insight into the needs of the masses of home owners all over the country that is probably more intimate than is that possessed by most others who write on this subject. For he has been making a national survey for the American Association of Nurserymen to ascertain just what is needed to "dress up" the home grounds in every part of the Union. With the facts and figures before him the bearing which soil and climate and surroundings have on the subject and his eight years' experience in the practice of landscape architecture he has outlined in plain, practical manner how the owner can develop the home grounds according to the standards of good taste as they prevail today.

This is a Macmillan publication which is guaranty that it is beautifully and durably produced and that it is worthy of special

consideration. Its appearance this spring finds the public more interested than ever before in the planting of trees and plants generally and especially in beautifying the home grounds in city and country districts. Heretofore the grounds surrounding public buildings have been more uniformly landscaped than have the homes of the masses, perhaps primarily because funds through public sources have been available. The interest in the beautiful on the part of the individual has been partially satisfied by the sense of community ownership of public property. But of late attention has been fixed to a remarkable extent upon the individual home surroundings.

The desire has caused need for information and instruction as to how to go about procuring material and appropriate and effective planting, for the homes of the masses scarcely require the services of a professional architect; besides, a great part of the pleasure is in the doing.

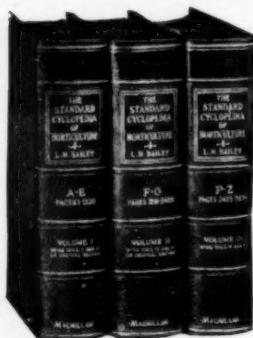
Exactly to fit these conditions is the purpose of this book. It will be seen that the book, therefore, is a powerful ally of the Nurseryman. It may well occupy a place in his working library to the end that he may know what his ultimate customer is studying and what that customer will expect. It may well be recommended for possession by the customer, too, as a means for creating and maintaining planting interest. This and similar books and other publications are indications of the systematic appeal for planting that is crystallizing, automatically as well as designedly.

The frontispiece of the book under consideration presents a view of attractive home grounds as showing that the scene is not the result of accident but of careful planning. On the title page is a representation of a sun-dial, a typical garden ornament. An effective engraving follows preparing the reader, as its title suggests, for consideration of a subject conducive to contentment and repose; while the page-centered illustration preceding the first chapter, "The Joy of Home Surroundings," represents a garden archway—the entrance to the subject. The book is profusely illustrated with plans and charts and with engravings of the finished work. It is closely indexed. All in a colored jacket of striking design.

**The Lawn:** Culture of Turf in Park, Golfing and Home Areas; by Lawrence S. Dickinson, Massachusetts Agricultural College; illustrated, pp. 128; postpaid \$1.25. Rochester, N. Y.; American Fruits Pubg. Co.

A lot of practical information is contained in this Orange Judd Publishing Company book which should be useful to Nurserymen in answering inquiries; and it may well be recommended to planters, for an

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attractive lawn in necessary to set off the planting picture and to carpet the Outdoor Living Room. How much there really is to the production and maintenance of a good lawn is clearly outlined. Aside from authoritative information on the subject proper, some of the problems with which home owners especially are familiar are discussed. Controlling pests, coping with weeds and even the annoying actions of the lawn mower are reduced to conquerable terms. It is a handy manual.

### Orchid Culture

In a recent article an exchange says: January, February and March are busy months for the orchid grower because it is during this 90-day period that the Trianae, the showy purple tinted species of the Cattleya genera is in bloom. The Trianae, also known as the Winter Cattleya, is not only unusually beautiful but is also one of the most abundant of all species of orchids grown. As a result the general public is most familiar with this type of orchid. In the Colombian Andes the only native habitat of the Trianae, the plants are found attached to the bark of trees, sometimes fifty feet above ground, in an altitude six to seven thousand feet above sea level.

Propagation of the Cattleya in the United States has been successful and widely practiced because of the sequence of bloom throughout the year. They are grown easily when their cultural requirements are understood.

In addition to the large demand for Cattleya flowers, the plants are much sought after, inasmuch as their culture has been practiced by many private growers with more success than with other varieties. Since the average time required to raise an orchid plant from the seed to the flowering stage is between six and eight years and since division is the only other method of propagating Cattleya plants, there is always a wide market for them because the supply is generally behind the demand.

There are comparatively few growers in the United States prepared to furnish mature plants in any number. Of these Thomas Young Nurseries at Bound Brook, N. J., the largest growers of orchids in America, has the most flowering Trianae, numbering many thousand plants of this species among the 140,000 other mature orchid plants in the 33 greenhouses on the 50-acre reserve. For twenty-two years the stock of plants at this Nursery was allowed to accumulate. The stock has now been built up to a point where the limited sale of plants to private growers and connoisseurs is possible without serious depletion of the reserve.

In addition to mature plants, Young has many thousands of young plants and seedlings. He was one of the first American growers to use the Knudson method of propagation.

Success of American Nurserymen in propagation has assured the perpetuation, in America, of the orchid—the white diamond of the cut-flower business.

To Whitney's Green Tree Nursery, Leominster, Mass., was awarded, last month, the contract for supplying 200 Norway maple trees for city planting in Leominster. The bid was \$680 as against a bid of \$800 by an outside Nursery.

### WANT ADVERTISEMENTS

#### Position Wanted

By young man experienced in estate, greenhouse, water lilies. Congenial position desired. Location rather to the west than in the east preferred. Available June 1st.

Address "Missouri," care American Nurseryman.

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Capable sales or general manager desires connection with reliable Nursery. Experienced in handling salesmen, catalog writing, etc. Young, efficient, competent and energetic. Address F-148, care of American Nurseryman.

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2- 3 ft., 4 canes	7.00	60.00
(5000 @ \$55.00 M)		
18-24 in., 3 canes	5.00	45.00
(5000 @ \$40.00 M)		
18-24 in., 2 canes	4.00	35.00
12-18 in., 3 canes	4.00	35.00
12-18 in., 2 canes	3.00	25.00
6-12 in., 1 cane	2.00	15.00

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" Laws Alumii, 21" pots, 8-10"	10.00	80.00
" Sabina Horizontalis, 21" pots, 8-10"	12.00	
" Pfitzeriana, R. C. 5"	5.00	40.00
" Pfitzeriana, 21" pots, 5-7"	12.00	100.00
" Pfitzeriana, once transp., 6-8"	10.00	80.00
" Pfitzeriana, once transp., 8-10"	12.00	100.00
" Virgi Tripartita, xx transp., 10-12"	15.00	
" Tamariscifolia, R. C. 5"	6.00	50.00
" Tamariscifolia, 21" pots, 5-7"	12.00	
Retinospora Decusa, 21" pots, 8-10"	8.00	
" Leptocladia, 21" pots, 8-10"	8.00	
Thuya Or. Bonita, 21" pots, 5-6"	12.00	
" Aurea Nana, 21" pots, 5-7"	12.00	
" Aurea Nana, once transp.	16.00	80.00
" Baker, 21" pots, 5-6"	10.00	
Taxus Fastigiatum, Seedlings, 5-7"	15.00	
Cupressus Semperfivrens, R. C. 5-6"	6.00	50.00

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<i>Juniperus communis</i> depressa	50.00
<i>Juniperus communis</i> depressa aurea	40.00
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<i>Juniperus japonica</i>	45.00
<i>Juniperus sabina</i> horizontalis	45.00
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<i>Juniperus virginiana</i> pyramidalis	50.00
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<i>Juniperus virginiana</i> schotti	45.00
<i>Picea pungens</i> kosteri	95.00

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	100	1000
<i>Pinus strobus</i>	6- 8"	\$ 7.00
<i>Pinus sylvestris</i>	5-10"	7.00
<i>Taxus cuspidata</i>	2- 4"	15.00
<i>Taxus cuspidata</i>	4- 6"	20.00
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<i>Thuya orientalis</i> aurea nana	4- 6"	13.00
<i>Thuya orientalis</i> aurea nana	6- 8"	15.00
<i>Thuya orientalis</i> bonita	6- 8"	15.00
<i>Thuya orientalis</i> compacta	4- 6"	10.00
<i>Thuya orientalis</i> compacta	6- 8"	12.00
<i>Thuya orientalis</i> conspicua aurea	4- 6"	20.00
<i>Thuya orientalis</i> eupressifolia fastigiatia	6- 8"	15.00
<i>Thuya orientalis</i> filiformis	4- 6"	15.00
<i>Thuya orientalis</i> elegantissima	4- 6"	20.00
<i>Thuya orientalis</i> pyramidalis	4- 6"	10.00
<i>Thuya orientalis</i> pyramidalis (Baker's)	6- 8"	12.00
<i>Thuya orientalis</i> texana glauca	6- 8"	15.00
<i>Tsuga canadensis</i>	4- 6"	10.00
<i>Tsuga canadensis</i>	6- 8"	12.00

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	100	1000
<i>Abies arizonica</i>	2- 4"	\$10.00
<i>Abies concolor</i>	4- 6"	5.00
<i>Abies homolepis</i>	2- 4"	6.00
<i>Abies sachalinensis</i>	2- 4"	6.00
<i>Abies veitchii</i>	2- 4"	5.00
<i>Juniperus chinensis</i>	2- 4"	6.00
<i>Juniperus chinensis</i>	6- 8"	8.50
<i>Juniperus communis</i>	6- 8"	4.00
<i>Juniperus communis</i> depressa	4- 6"	3.50
<i>Juniperus communis</i> depressa	6- 8"	4.00
<i>Juniperus scopulorum</i>	4- 6"	4.50
<i>Juniperus scopulorum</i>	6- 8"	6.50
Larix europea	6- 8"	3.00
Larix europea	8-10"	3.50
<i>Picea canadensis</i>	4- 6"	3.50
<i>Picea excelsa</i>	4- 6"	2.50
<i>Picea excelsa</i>	6- 8"	3.00
<i>Picea polita</i>	2- 4"	3.50
<i>Picea pungens</i>	4- 6"	4.00
<i>Picea pungens</i>	6- 8"	5.00
<i>Pinus nigra</i>	4- 6"	4.00
<i>Pinus nigra</i>	6- 8"	5.00
<i>Pinus ponderosa</i> scopulorum	4- 6"	3.00
<i>Pinus strobus</i>	4- 6"	3.00
<i>Pinus sylvestris</i>	4- 6"	3.00
<i>Pinus thunbergi</i>	6- 8"	3.50
<i>Pseudotsuga douglasii</i>	2- 4"	4.50

## TWICE TRANSPLANTED EVERGREENS

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<i>Juniperus chinensis</i>	6- 8"	12.00
<i>Juniperus chinensis</i> pfitzeriana	8-10"	25.00
<i>Juniperus chinensis</i> pfitzeriana	10-12"	30.00
<i>Juniperus communis</i> depressa	8-10"	20.00
<i>Juniperus communis</i> depressa	10-12"	30.00
<i>Juniperus communis</i> depressa	12-18"	40.00
<i>Juniperus communis depressa plumosa</i>	8-10"	50.00
<i>Juniperus horizontalis douglasii</i>	6- 8"	20.00
<i>Juniperus sabina</i> horizontalis	6- 8"	25.00
<i>Picea canadensis</i>	8-10"	11.00
<i>Picea canadensis</i>	10-12"	16.50
<i>Picea canadensis</i>	12-18"	22.50
<i>Picea canadensis albertiana</i>	6- 8"	9.00
<i>Picea canadensis albertiana</i>	8-10"	12.00
<i>Picea excelsa</i>	10-12"	12.00
<i>Picea excelsa</i>	12-18"	16.50
<i>Picea excelsa</i>	18-24"	20.00
<i>Pinus montana</i> uncinata	10-12"	15.00
<i>Pinus mughus</i>	4- 6"	10.00
<i>Pinus mughus</i>	6- 8"	14.00
<i>Pinus mughus</i>	8-10"	27.50
<i>Pinus nigra</i>	10-12"	25.00
<i>Pinus strobus</i>	10-12"	20.00
<i>Pinus strobus</i>	12-18"	30.00
<i>Pinus sylvestris</i>	8-10"	12.00
<i>Pinus sylvestris</i>	10-12"	15.00
<i>Pseudotsuga douglasii</i>	8-10"	15.00
<i>Pseudotsuga douglasii</i>	10-12"	20.00
<i>Taxus cuspidata</i>	12-18"	25.00
<i>Thuya occidentalis</i>	6- 8"	7.00
<i>Thuya occidentalis</i>	10-12"	10.00
<i>Thuya occidentalis</i>	12-18"	17.50
<i>Thuya occidentalis</i>	18-24"	25.00
<i>Thuya occidentalis</i> douglasii aurea	2- 3'	35.00
<i>Thuya occidentalis</i> douglasii pyramidalis	6- 8"	24.00
<i>Thuya occidentalis</i> douglasii pyramidalis	8-10"	15.00
<i>Thuya occidentalis</i> douglasii pyramidalis	10-12"	20.00
<i>Thuya occidentalis</i> douglasii pyramidalis	12-18"	25.00
<i>Thuya occidentalis</i> globosa	6- 8"	10.00
<i>Thuya occidentalis</i> globosa	8-10"	12.00
<i>Thuya occidentalis</i> globosa	8- 8"	30.00
<i>Thuya occidentalis</i> globosa	8-10"	25.00
<i>Thuya occidentalis</i> hoveyi	10-12"	8.50
<i>Thuya occidentalis</i> pyramidalis	8-10"	13.00
<i>Thuya occidentalis</i> pyramidalis	10-12"	16.00
<i>Thuya occidentalis</i> pyramidalis	12-18"	35.00
<i>Thuya occidentalis</i> pyramidalis	18-24"	40.00
<i>Thuya occidentalis</i> spicata alba	2-21'	60.00
<i>Thuya occidentalis</i> rosenthalii	4- 6"	15.00
<i>Thuya occidentalis</i> rosenthalii	6- 8"	17.50
<i>Thuya occidentalis</i> rosenthalii	8-10"	22.50
<i>Thuya occidentalis</i> woodwardii	6- 8"	12.00
<i>Tsuga canadensis</i>	10-12"	30.00
<i>Tsuga canadensis</i>	12-18"	37.50

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